

# CATALOGUE OF OBJECTS

EXHIBITED AT

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CHICAGO, U. S. A.,

1893.

BY

THE DEPARTMENT OF EDUCATION,

JAPAN.



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TRANSLATED AND PUBLISHED

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THE DEPARTMENT OF EDUCATION,

TŌKYŌ, JAPAN.

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JAPAN.

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DEPARTMENT L.—EDUCATION.  
GROUP 149. CLASS 841.

### KINDERGARTENS.

|   |    |                       |   |   |    |                     |         |
|---|----|-----------------------|---|---|----|---------------------|---------|
| A | 1  | Photograph.           | 1 | A | 12 | Kindergarten gift.  | 5 cases |
| " | 2  | ditto                 | 1 | " | 13 | ditto               | } 1 "   |
| " | 3  | ditto                 | 1 | " | 14 | ditto               | } 1 "   |
| " | 4  | Specimens of work     |   | " | 15 | ditto               | } 1 "   |
|   |    | done by infants.      | 3 | " | 16 | ditto               | } 1 "   |
| " | 5  | Pea-work by infants.  | 3 | " | 17 | ditto               | } 1 "   |
| " | 6  | Clay-work by infants. | 1 | " | 18 | ditto               | } 1 "   |
| " | 7  | Specimens of work     |   | " | 19 | ditto               | 1       |
|   |    | done by infants.      | 1 | " | 20 | ditto               |         |
| " | 8  | Drawing by infants.   | 1 | " | 21 | ditto               | } 1     |
|   |    |                       |   | " | 22 | ditto               |         |
|   |    | APPARATUS FOR INFANT  |   | " | 23 | ditto               |         |
|   |    | TRAINING.             |   | " | 24 | ditto               | } 1     |
| " | 9  | Kindergarten gift.    | 1 | " | 25 | ditto               |         |
| " | 10 | ditto                 | 1 | " | 26 | Charts for convers- |         |
| " | 11 | ditto                 | 4 |   |    | ation on Morals.    | 20      |

|    |    |                                                    |        |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
|----|----|----------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------|--------|
| A  | 27 | Historical pictures.                               | 32     | A                                                                                                                                                                                                                                                                                                                                                                                      | 59 | Model of bat.      | 1      |
| ,, | 28 | Colored paper.                                     | 1 box  | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 60 | ,, , rat.          | 1      |
| ,, | 29 | Model of a house<br>showing its con-<br>struction. | 1 case | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 61 | ,, , insects.      | 1 case |
| ,, | 30 | Toy based on arith-<br>metic.                      | 1 ,,   | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 62 | Drawings of fowls. | 17     |
| ,, | 31 | Model of fish.                                     | 1 ,,   | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 63 | ,, , fish.         | 3      |
| ,, | 32 | Syllabary of the Jap-<br>anese alphabet.           | 1 ,,   | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 64 | ,, , animals.      | 3      |
| ,, | 33 | Card-laying.                                       | 1 ,,   | Chart for Conversation<br>on Morals, A No. 26;<br>Model of Fruits, A No.<br>36; Model of Vegetables,<br>A No. 37; Model of<br>Insects, A No. 61; Draw-<br>ing of Fowls, A No. 62;<br>Model of Fish, No. 63;<br>and Drawing of Animals,<br>A No. 64 are used not<br>only for training infants<br>in kindergartens, but<br>are also used for teach-<br>ing in the elementary<br>schools. |    |                    |        |
| ,, | 34 | Box garden.                                        | 1 ,,   |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 35 | Toy.                                               | 1 ,,   |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 36 | Model of fruits.                                   | { 1 ,, |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 37 | Model of vegetables.                               |        |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 38 | Embroidery.                                        | 1 ,,   |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 39 | Basket for putting<br>flowers in.                  | 1 ,,   |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 40 | Drawing of fowls.                                  | 1      |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 41 | Drawing of animals.                                | 1      |                                                                                                                                                                                                                                                                                                                                                                                        |    |                    |        |
| ,, | 42 | Drawing of birds.                                  | 1 case | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 65 | Copy-book for      |        |
| ,, | 43 | Model of elephant.                                 | 1      |                                                                                                                                                                                                                                                                                                                                                                                        |    | Drawing.           | 1      |
| ,, | 44 | ,, , tiger.                                        | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 66 | Toys.              | 2      |
| ,, | 45 | ,, , cow.                                          | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 67 | ditto              | 1      |
| ,, | 46 | ,, , horse.                                        | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 68 | ditto              | 1      |
| ,, | 47 | ,, , wild hog.                                     | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 69 | ditto              | 2      |
| ,, | 48 | ,, , deer.                                         | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 70 | ditto              | 1      |
| ,, | 49 | ,, , bear.                                         | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 71 | ditto              | 1      |
| ,, | 50 | ,, , pig.                                          | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 72 | ditto              | 1      |
| ,, | 51 | ,, , dog.                                          | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 73 | ditto              | 1      |
| ,, | 52 | ,, , monkey.                                       | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 74 | ditto              | 1      |
| ,, | 53 | ,, , fox.                                          | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 75 | ditto              | 1      |
| ,, | 54 | ,, , badger.                                       | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 76 | ditto              | 1      |
| ,, | 55 | ,, , sheep.                                        | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 77 | ditto              | 1      |
| ,, | 56 | ,, , <i>Chin</i> (Jap-<br>anese dog).              | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 78 | ditto              | 1      |
| ,, | 57 | ,, , hare.                                         | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 79 | ditto              | 1      |
| ,, | 58 | ,, , cat.                                          | 1      | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 80 | ditto              | 1      |
|    |    |                                                    |        | ,,                                                                                                                                                                                                                                                                                                                                                                                     | 81 | ditto              | 1      |

|   |     |       |        |                                                                                                                                                                                               |     |                                    |        |
|---|-----|-------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------|--------|
| A | 82  | Toys. | 5      | A                                                                                                                                                                                             | 120 | Toys.                              | 1      |
| „ | 83  | ditto | 1      | „                                                                                                                                                                                             | „   | ditto                              | 1      |
| „ | 84  | ditto | 1      | „                                                                                                                                                                                             | „   | ditto                              | 1      |
| „ | 85  | ditto | 1      | „                                                                                                                                                                                             | „   | ditto                              | 1      |
| „ | 86  | ditto | 1      | The objects A 1-120 consist of those exhibited by the Kindergartens and those collected by the Department of Education. They are designed to show the present condition of the Kindergartens. |     |                                    |        |
| „ | 87  | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 88  | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 89  | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 90  | ditto | 2      |                                                                                                                                                                                               |     |                                    |        |
| „ | 91  | ditto | 1      | <b>SPECIMENS OF WORK DONE BY INFANTS.</b>                                                                                                                                                     |     |                                    |        |
| „ | 92  | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 93  | ditto | 1      | Specimens of work done by infants.                                                                                                                                                            |     |                                    |        |
| „ | 94  | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 95  | ditto | 1      | „                                                                                                                                                                                             | 121 | 4 tablets.                         |        |
| „ | 96  | ditto | 1      | „                                                                                                                                                                                             | 122 | ditto                              | 1 vol. |
| „ | 97  | ditto | 1      | „                                                                                                                                                                                             | 123 | Kindergarten gift.                 | 5      |
| „ | 98  | ditto | 1      | „                                                                                                                                                                                             | 124 | ditto                              |        |
| „ | 99  | ditto | 1      | „                                                                                                                                                                                             | 125 | ditto                              |        |
| „ | 100 | ditto | 1      | „                                                                                                                                                                                             | 126 | ditto                              |        |
| „ | 101 | ditto | 1      | „                                                                                                                                                                                             | 127 | ditto                              |        |
| „ | 102 | ditto | 1      | „                                                                                                                                                                                             | 128 | Specimens of work done by infants. | 1      |
| „ | 103 | ditto | 5      | „                                                                                                                                                                                             | 129 | Kindergarten gift.                 | 1      |
| „ | 104 | ditto | 1      | „                                                                                                                                                                                             | 130 | ditto                              |        |
| „ | 105 | ditto | 1 case | „                                                                                                                                                                                             | 131 | ditto                              | 1      |
| „ | 106 | ditto | 1      | „                                                                                                                                                                                             | 132 | ditto                              |        |
| „ | 107 | ditto | 1      | „                                                                                                                                                                                             | 133 | ditto                              |        |
| „ | 108 | ditto | 1      | „                                                                                                                                                                                             | 134 | ditto                              |        |
| „ | 109 | ditto | 1      | „                                                                                                                                                                                             | 135 | ditto                              | 1      |
| „ | 110 | ditto | 1      | „                                                                                                                                                                                             | 136 | Specimens of work done by infants. |        |
| „ | 111 | ditto | 5      | „                                                                                                                                                                                             | 137 | Kindergarten gift.                 | 1 case |
| „ | 112 | ditto | 1      | „                                                                                                                                                                                             | 138 | ditto                              | 1      |
| „ | 113 | ditto | 1      | „                                                                                                                                                                                             | 139 | ditto                              | 1      |
| „ | 114 | ditto | 2      | „                                                                                                                                                                                             | 140 | ditto                              | 1      |
| „ | 115 | ditto | 1      | „                                                                                                                                                                                             | 141 | Specimens of work done by infants. | 2      |
| „ | 116 | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 117 | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 118 | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |
| „ | 119 | ditto | 1      |                                                                                                                                                                                               |     |                                    |        |

|   |     |                                                 |           |   |     |                                                                                                                                                                                                                                              |        |
|---|-----|-------------------------------------------------|-----------|---|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| A | 142 | Specimens of work done by infants.              | 1         | A | 149 | Specimens of work done by conductors and infants. (in folding screen).                                                                                                                                                                       | 1      |
| „ | 143 | ditto                                           | 1         | „ | 150 | Specimens of work done by conductors.                                                                                                                                                                                                        | 1 vol. |
| „ | 144 | ditto                                           | 1 vol.    | „ | 151 | ditto                                                                                                                                                                                                                                        | 1 case |
|   |     | <b>APPARATUS FOR INFANT TRAINING.</b>           |           | „ | 152 | Specimens of work done by pupil-conductors.                                                                                                                                                                                                  | 1 vol. |
| „ | 145 | Models of various objects for conversations.    | 1 case    |   |     | The specimens of handiwork by conductors are specially exhibited for the purpose of reference. In A No. 146, the specimens of conductors' work are mixed with infants' work, as, in this case, it was impossible to exhibit them separately. |        |
| „ | 146 | Pictures for conversation on Morals.            | 8 rolls   |   |     |                                                                                                                                                                                                                                              |        |
| „ | 147 | Apparatus for infant training.                  | 1 case    |   |     |                                                                                                                                                                                                                                              |        |
|   |     | <b>SPECIMENS OF WORK DONE BY CONDUCTORS.</b>    |           |   |     |                                                                                                                                                                                                                                              |        |
| „ | 148 | Specimens of work done by assistant-conductors. | 1 tablet. |   |     |                                                                                                                                                                                                                                              |        |

**GROUP 149. CLASS 842.  
ELEMENTARY SCHOOLS.**

|   |   |                                 |          |   |    |                   |   |
|---|---|---------------------------------|----------|---|----|-------------------|---|
| B | 1 | Photograph of school buildings. | 1        | B | 9  | Examination pers. | 3 |
| „ | 2 | ditto                           | 1        | „ | 10 | ditto             | 3 |
| „ | 3 | Plan of school buildings.       | 1        | „ | 11 | ditto             | 1 |
| „ | 4 | ditto                           | 1        | „ | 12 | ditto             | 1 |
|   |   | <b>WORK BY PUPILS.</b>          |          | „ | 13 | ditto             | 1 |
| „ | 5 | Examination pers.               | 17       | „ | 14 | ditto             | 1 |
| „ | 6 | ditto                           | 18 vols. | „ | 15 | ditto             | 1 |
| „ | 7 | ditto                           | 1        | „ | 16 | ditto             | 1 |
| „ | 8 | ditto                           | 5        | „ | 17 | ditto             | 1 |
|   |   |                                 |          | „ | 18 | ditto             | 1 |
|   |   |                                 |          | „ | 19 | ditto             | 1 |
|   |   |                                 |          | „ | 20 | ditto             | 3 |

## DRAWING BY PUPILS.

|   |    |                 |        |
|---|----|-----------------|--------|
| B | 21 | Brush drawing.  | 1 vol. |
| „ | 22 | ditto           | 1      |
| „ | 23 | Pencil drawing. | 8      |
| „ | 24 | Map.            | 4      |

## SEWING BY PUPILS.

|   |    |                                                            |    |
|---|----|------------------------------------------------------------|----|
| „ | 25 | Elementary sewing.                                         | 10 |
| „ | 26 | ditto                                                      | 3  |
| „ | 27 | <i>Furoshiki</i> (cloth used for wrapping).                | 1  |
| „ | 28 | <i>Zukin</i> (hood).                                       | 1  |
| „ | 29 | <i>Yodarekake</i> (bib).                                   | 1  |
| „ | 30 | <i>Munakake</i> (a kind of apron).                         | 1  |
| „ | 31 | <i>Saifu</i> (money bag).                                  | 1  |
| „ | 32 | Shirt.                                                     | 1  |
| „ | 33 | <i>Juban</i> (under-garment) for gentlemen.                | 1  |
| „ | 34 | Model of <i>juban</i> (under-garment) for ladies.          | 1  |
| „ | 35 | <i>Hitoye</i> (summer garment) for children.               | 1  |
| „ | 36 | <i>Tsutsu-sode</i> (garment without sleeves) for children. | 1  |
| „ | 37 | <i>Hitoye</i> (summer garment) for gentlemen.              | 1  |
| „ | 38 | <i>Awase</i> (lined garment) for children.                 | 1  |
| „ | 39 | <i>Awase</i> (lined gar-                                   |    |

|   |    |                                                               |        |
|---|----|---------------------------------------------------------------|--------|
|   |    | ment) for gentlemen.                                          | 1      |
| B | 40 | <i>Wataire</i> (padded garment) for children.                 | 1      |
| „ | 41 | <i>Wataire</i> (padded garment) for ladies.                   | 1      |
| „ | 42 | <i>Awase-haori</i> (lined coat) for gentlemen.                | 1      |
| „ | 43 | <i>Wataire-haori</i> (padded coat) for gentlemen.             | 1      |
| „ | 44 | <i>Hakama</i> (a kind of trousers).                           | 1      |
| „ | 45 | <i>Obi</i> (belt) for children.                               | 1      |
| „ | 46 | <i>Obi</i> (belt) for ladies.                                 | 1      |
| „ | 47 | <i>Sodenashi-haori</i> (coat without sleeves) for children.   | 1      |
| „ | 48 | <i>Teko</i> (a kind of gloves).                               | 1 pair |
| „ | 49 | <i>Kôgake</i> (a kind of leggings).                           | 1 „    |
| „ | 50 | <i>Patchi</i> (a kind of trousers).                           | 1 „    |
| „ | 51 | <i>Kyahan</i> (leggings).                                     | 1 „    |
| „ | 52 | Elementary sewing.                                            | 10     |
| „ | 53 | <i>Furoshiki</i> (cloth used for wrapping).                   | 2      |
| „ | 54 | <i>Nuka-bukuro</i> (bag for keeping rice-bran, used as soap). | 5      |

|   |    |                            |   |   |    |                              |   |
|---|----|----------------------------|---|---|----|------------------------------|---|
| B | 55 | <i>Zukin</i> (hood).       | 1 | B | 71 | <i>Obi</i> (belt) for la-    |   |
| „ | 56 | <i>Yodare-kake</i> (bib).  | 1 |   |    | dies.                        | 1 |
| „ | 57 | <i>Juban</i> (under-gar-   |   | „ | 72 | <i>Sodenashi-haori</i> (coat |   |
|   |    | ment) for gentle-          |   |   |    | without sleeves)             |   |
|   |    | men.                       | 1 |   |    | for children.                | 1 |
| „ | 58 | <i>Juban</i> (under-gar-   |   | „ | 73 | <i>Maru-dōgi</i> (padded     |   |
|   |    | ment) for ladies.          | 1 |   |    | under-garment                |   |
| „ | 59 | <i>Awase-naga-juban</i>    |   |   |    | without sleeves)             |   |
|   |    | (long lined un-            |   |   |    | for children.                | 1 |
|   |    | der-garment) for           |   | „ | 74 | Shirt.                       | 1 |
|   |    | ladies.                    | 2 | „ | 75 | <i>Momohiki</i> (a kind of   |   |
| „ | 60 | <i>Hitoje</i> (summer      |   |   |    | pantaloon).                  | 1 |
|   |    | garment) for               |   | „ | 76 | Elementary sewing.           | 4 |
|   |    | children.                  | 1 | „ | 77 | ditto                        | 1 |
| „ | 61 | <i>Hitoje</i> (summer      |   | „ | 78 | ditto                        | 1 |
|   |    | garment) for gen-          |   | „ | 79 | ditto                        | 7 |
|   |    | tlemen.                    | 1 | „ | 80 | <i>Furoshiki</i> (cloth      |   |
| „ | 62 | <i>Hitoje</i> (summer      |   |   |    | used for wrap-               |   |
|   |    | garment) for la-           |   |   |    | ping).                       | 1 |
|   |    | dies.                      | 1 | „ | 81 | ditto                        | 1 |
| „ | 63 | <i>Awase</i> (lined gar-   |   | „ | 82 | ditto                        | 1 |
|   |    | ment) for child-           |   | „ | 83 | Garment made of              |   |
|   |    | ren.                       | 1 |   |    | various pieces of            |   |
| „ | 64 | <i>Awase</i> (lined gar-   |   |   |    | cloth.                       | 2 |
|   |    | ment) for ladies.          | 1 | „ | 84 | <i>Zukin</i> (hood).         | 1 |
| „ | 65 | <i>Wataire</i> (padded     |   | „ | 85 | ditto                        | 1 |
|   |    | garment) for               |   | „ | 86 | <i>Yodarekake</i> (bib).     | 1 |
|   |    | children.                  | 1 | „ | 87 | ditto                        | 1 |
| „ | 66 | <i>Wataire</i> (padded     |   | „ | 88 | Cord.                        | 1 |
|   |    | garment) for la-           |   | „ | 89 | <i>Munakake</i> (a kind      |   |
|   |    | dies.                      | 1 |   |    | of apron).                   | 1 |
| „ | 67 | <i>Awase-haori</i> (lined  |   | „ | 90 | <i>Juban</i> (under-gar-     |   |
|   |    | coat) for ladies.          | 1 |   |    | ment) for girls.             | 1 |
| „ | 68 | ditto                      | 1 | „ | 91 | Model of <i>juban</i> (un-   |   |
| „ | 69 | <i>Hakama</i> (a kind of   |   |   |    | der-garment) for             |   |
|   |    | trousers).                 | 1 |   |    | gentlemen.                   | 1 |
| „ | 70 | <i>Obi</i> (belt) for gen- |   | „ | 92 | <i>Juban</i> (under-gar-     |   |
|   |    | tlemen.                    | 1 |   |    | ment) for ladies.            | 1 |



|       |                                                             |   |                             |                                                             |    |
|-------|-------------------------------------------------------------|---|-----------------------------|-------------------------------------------------------------|----|
| B 93  | Model of <i>naga-julan</i> (long under-garment) for ladies. | 1 | B 110                       | <i>Haori</i> (coat) for gentlemen.                          | 1  |
| „ 94  | Explanations for the sewing of garments.                    | 7 | „ 111                       | <i>Awase-haori</i> (lined coat) for children.               | 1  |
| „ 95  | <i>Hitoye</i> (summer garment) for children.                | 1 | „ 112                       | <i>Hifu</i> (a kind of coat).                               | 1  |
| „ 96  | ditto                                                       | 1 | „ 113                       | <i>Hakama</i> (a kind of trousers).                         | 1  |
| „ 97  | <i>Hitoye</i> (summer garment) for gentlemen.               | 1 | „ 114                       | <i>Obi</i> (belt) for children.                             | 1  |
| „ 98  | <i>Hitoye</i> (summer garment) for ladies.                  | 1 | „ 115                       | ditto                                                       | 1  |
| „ 99  | <i>Awase</i> (lined garment) for children.                  | 1 | „ 116                       | <i>Obi</i> (belt) for ladies.                               | 1  |
| „ 100 | <i>Awase</i> (lined garment) for gentlemen.                 | 1 | „ 117                       | <i>Sodenashi-haori</i> (coat without sleeves) for children. | 1  |
| „ 101 | <i>Wataire</i> (padded garment) for children.               | 1 | „ 118                       | <i>Maru-haori</i> (a kind of coat) for children.            | 1  |
| „ 102 | <i>Wataire</i> (padded garment) for gentlemen.              | 1 | „ 119                       | Shirt.                                                      | 1  |
| „ 103 | Garment made of various pieces of cloth.                    | 1 | „ 120                       | <i>Hikone-patchi</i> (a kind of pantaloons).                | 1  |
| „ 104 | ditto                                                       | 2 | <b>HANDIWORK BY PUPILS.</b> |                                                             |    |
| „ 105 | Patching.                                                   | 1 | „ 121                       | Embroidery.                                                 | 1  |
| „ 106 | ditto                                                       | 1 | „ 122                       | ditto                                                       | 1  |
| „ 107 | ditto                                                       | 1 | „ 123                       | ditto                                                       | 29 |
| „ 108 | ditto                                                       | 1 | „ 124                       | ditto                                                       | 28 |
| „ 109 | Skirt sewing.                                               | 1 | „ 125                       | ditto                                                       | 1  |
|       |                                                             |   | „ 126                       | ditto                                                       | 1  |
|       |                                                             |   | „ 127                       | ditto                                                       | 2  |
|       |                                                             |   | „ 128                       | ditto                                                       | 2  |
|       |                                                             |   | „ 129                       | ditto                                                       | 1  |
|       |                                                             |   | „ 130                       | ditto                                                       | 2  |
|       |                                                             |   | „ 131                       | ditto                                                       | 6  |
|       |                                                             |   | „ 132                       | <i>Yodarekake</i> (bib).                                    | 1  |
|       |                                                             |   | „ 133                       | ditto                                                       | 1  |
|       |                                                             |   | „ 134                       | Hand ball.                                                  | 5  |

|                    |                                                                     |         |       |                                                                                                                        |                           |
|--------------------|---------------------------------------------------------------------|---------|-------|------------------------------------------------------------------------------------------------------------------------|---------------------------|
| B 135              | Bag.                                                                | 1       |       |                                                                                                                        | for Higher Ele-           |
| „ 136              | ditto                                                               | 1       |       |                                                                                                                        | mentary Schools),         |
| „ 137              | ditto                                                               | 1       |       |                                                                                                                        | by A. Ikenaga             |
| „ 138              | ditto                                                               | 1       |       |                                                                                                                        | and S. Nishimura. 8 vols. |
| „ 139              | <i>Hiji-tsuki</i> (cushion<br>for resting el-<br>bow).              | 2       | B 210 | “Jinjō-kwa Shūji-<br>chō” (Copy-book<br>for Ordinary Ele-<br>mentary Schools),                                         |                           |
| „ 140              | ditto                                                               | 1       |       | by K. Itō.                                                                                                             | 8 „                       |
| „ 141              | <i>Kinchaku</i> (purse).                                            | 1       | „ 211 | “Kōtō-kwa Shūji-<br>chō” (Copy-book<br>for Higher Ele-<br>mentary Schools),                                            |                           |
| „ 142              | ditto                                                               | 1       |       | by K. Itō.                                                                                                             | 8 „                       |
| „ 143              | <i>Mamori-bukuro</i> (bag<br>of charms).                            | 1       | „ 212 | “Jinjō Shōgaku<br>Hissan Zensho”<br>(Written Arith-<br>metic forordi-<br>nary Elementary<br>Schools), by B.<br>Sakuma. | 4 „                       |
| „ 144              | <i>Tebako</i> (a small<br>box).                                     | 1       |       |                                                                                                                        |                           |
| „ 145              | ditto                                                               | 1       |       |                                                                                                                        |                           |
| „ 146              | <i>Oshiye</i> (raised fancy<br>work).                               | 1       |       |                                                                                                                        |                           |
| „ 147              | ditto                                                               | 1       |       |                                                                                                                        |                           |
| „ 148              | ditto                                                               | 2       |       |                                                                                                                        |                           |
| „ 149              | ditto                                                               | 3       |       |                                                                                                                        |                           |
| „ 150              | Ball.                                                               | 1       | „ 213 | “Kōtō Shōgaku<br>Hissan Zensho”<br>(Written Arith-<br>metic for High-<br>er Elementary<br>Schools), by B.<br>Sakuma.   | 4 „                       |
| „ 151              | ditto                                                               | 1       |       |                                                                                                                        |                           |
| „ 152              | ditto                                                               | 1       |       |                                                                                                                        |                           |
| „ 153              | ditto                                                               | 1       |       |                                                                                                                        |                           |
| „ 154              | ditto                                                               | 2       |       |                                                                                                                        |                           |
| „ 155              | Woolen knitting.                                                    | 5       |       |                                                                                                                        |                           |
| „ 156              | ditto                                                               | 1       |       |                                                                                                                        |                           |
| „ 157              | ditto                                                               | 1       | „ 214 | “Shōgaku Shusan<br>Zensho” (Aba-<br>cus Arithmetic<br>for Elementary<br>Schools), by G.<br>Asaka and S.<br>Kuroda.     | 8 „                       |
| „ 158              | ditto                                                               | 4       |       |                                                                                                                        |                           |
| 159-1              | (Withdrawn).                                                        |         |       |                                                                                                                        |                           |
| „ 207              |                                                                     |         |       |                                                                                                                        |                           |
| <b>TEXT-BOOKS.</b> |                                                                     |         |       |                                                                                                                        |                           |
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| „ 209              | “Kōtō Shōgaku To-<br>kuhon” (Readers                                |         |       |                                                                                                                        |                           |



|       |                                                                                                     |                 |                                             |
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| „ 217 | "Shōgaku Nihonshi" (Rudiments of the History of Japan), by B. Jimbō. 6 „                            | „ 227           | Large Abacus for Elementary School use. 1   |
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| „ 219 | "Gwagaku Shōho" (Elementary Drawing), by J. Yanagisawa. 10 „                                        | 228-1<br>„ 246} | (Withdrawn).                                |
| „ 220 | "Shōgaku Shōkwa Shū" (Collection of Elementary Songs), compiled in the Department of Education. 3 „ | „ 247           | Abacus. 1                                   |
| „ 221 | Chart of Songs, compiled in the Department of Education. 3 sets                                     | „ 248           | Card for teaching fractions. 1              |
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| „ 225 | Chart of Morals based on the Imperial Speech. 20                                                    |                 |                                             |
|       |                                                                                                     |                 | <b>PHYSICAL APPARATUS.</b>                  |
|       |                                                                                                     | „ 253           | Irregular plate. 1                          |
|       |                                                                                                     | „ 254           | Pully. 1                                    |
|       |                                                                                                     | „ 255           | Wheel and axle. 1                           |
|       |                                                                                                     | „ 256           | Capstan. 1                                  |
|       |                                                                                                     | „ 257           | Lever. 1                                    |
|       |                                                                                                     | „ 258           | Inclined plane. 1                           |
|       |                                                                                                     | „ 259           | Wedge. 1                                    |
|       |                                                                                                     | „ 260           | Model of screw. 1                           |
|       |                                                                                                     | „ 261           | Ring to illustrate the centrifugal force. 1 |
|       |                                                                                                     | „ 262           | Balance with a set of brass weights. 1      |
|       |                                                                                                     | „ 263           | (Withdrawn).                                |
|       |                                                                                                     | „ 264           | Equilibrium tubes. 1                        |
|       |                                                                                                     | „ 265           | Plumbum bomb. 1                             |
|       |                                                                                                     | „ 266           | Spirit level. 1                             |

|       |                                                                  |       |       |                                       |   |
|-------|------------------------------------------------------------------|-------|-------|---------------------------------------|---|
| B 267 | Apparatus for the downward pressure of liquids.                  | 1     | B 286 | Apparatus of sonorous waves.          | 1 |
| „ 268 | Apparatus for the upward pressure of liquids.                    | 1     | „ 287 | Tuning fork.                          | 1 |
| „ 269 | Model of water-wheel.                                            | 1     | „ 288 | Violin bow.                           | 1 |
| „ 270 | Apparatus to illustrate Archimedes' principle.                   | 1     | „ 289 | Model of thermometer.                 | 1 |
| „ 271 | (Withdrawn).                                                     |       | „ 290 | Thermometer.                          | 1 |
| „ 272 | Air pump.                                                        | 1     | „ 291 | Ball and ring.                        | 1 |
| „ 273 | Bell glass receiver.                                             | 1     | „ 292 | Compound bar, copper and iron.        | 1 |
| „ 274 | Two glass bottles for the expansion of air.                      | 1     | „ 293 | Bar, connecting copper and iron.      | 1 |
| „ 275 | Small India-rubber balloon.                                      | 2     | „ 294 | Working model of steam engine.        | 1 |
| „ 276 | Open top bell glass receiver with a piece of India-rubber sheet. | 1     | „ 295 | Prism.                                |   |
| „ 277 | Barascope, glass glove.                                          | 1     | „ 296 | (Withdrawn).                          | 1 |
| „ 278 | Vacuum fountain.                                                 | 1     | „ 297 | Double convex lens.                   | 1 |
| „ 279 | Tantalus' cup.                                                   | 1     | „ 298 | Double concave lens.                  | 1 |
| „ 280 | Magdeburg hemisphere.                                            | 1     | „ 299 | Reflection apparatus.                 | 1 |
| „ 281 | Barometric tube, reservoir, and funnel.                          | 1 set | „ 300 | Refraction apparatus.                 | 1 |
| „ 282 | Mercury.                                                         | 2     | „ 301 | Model of the eye.                     | 1 |
| „ 283 | Model of lifting and forcing pump.                               | 1     | „ 302 | Newton's colored disc.                | 1 |
| „ 284 | Steel bar for vibration.                                         | 1     | „ 303 | Glass rod for generating electricity. | 1 |
| „ 285 | Teethed wheel.                                                   | 1     | „ 304 | Ditto, covered with sealing wax.      | 1 |
|       |                                                                  |       | „ 305 | A piece of silk.                      | 1 |
|       |                                                                  |       | „ 306 | A piece of wool.                      | 1 |
|       |                                                                  |       | „ 307 | Electric pendulum.                    | 1 |
|       |                                                                  |       | „ 308 | Gold leaf electroscope.               | 1 |
|       |                                                                  |       | „ 309 | Electrophorus.                        | 1 |
|       |                                                                  |       | „ 310 | Cat skin.                             | 1 |

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| B 311 | Ramsden's friction machine.                         | 1     |
| „ 312 | Leyden jar.                                         | 1     |
| „ 313 | Discharger.                                         | 1     |
| „ 314 | Model of lightning conductor.                       | 1     |
| „ 315 | Electrical sportsman.                               | 1     |
| „ 316 | Leyden jar with bell, and bell for slow discharges. | 1     |
| „ 317 | Electrical flies on stand.                          | 1     |
| „ 318 | Copper and zinc tongs for galvanic experiment.      | 1     |
| „ 319 | Bunsen's Galvanic battery.                          | 1     |
| „ 320 | (Withdrawn).                                        |       |
| „ 321 | Galvanometer, simple form.                          | 1     |
| „ 322 | Voltameter.                                         | 1     |
| „ 323 | Horse-shoe electric magnet.                         | 1     |
| „ 324 | Model of Morse's telegraphic recorder and key.      | 1     |
| „ 325 | Steel bar.                                          | 1     |
| „ 326 | Apparatus to illustrate Oersted's law.              | 1     |
| „ 327 | Compass.                                            | 1     |
| „ 328 | Bar magnet.                                         | 2     |
| „ 329 | Sand iron.                                          | 1     |
| „ 330 | Cotton wound copper wire.                           | 3 jō. |

## CHEMICAL APPARATUS.

|       |                                       |     |
|-------|---------------------------------------|-----|
| B 331 | Glass mortar and pestle.              | 1   |
| „ 332 | Cork's borer.                         | 1   |
| „ 333 | Glass tube.                           | 1   |
| „ 334 | Retort stand.                         | 1   |
| „ 335 | Retort.                               | 2   |
| „ 336 | Iron tripod stand.                    | 1   |
| „ 337 | Copper wire gauge.                    | 2   |
| „ 338 | Test tubes frame.                     | 1   |
| „ 339 | Support for hot test-tube.            | 1   |
| „ 340 | Test tube.                            | 12  |
| „ 341 | Test tubes brush.                     | 1   |
| „ 342 | Balance, in glass case, with weights. | 1   |
| „ 343 | Glass spirit lamp.                    | 2   |
| „ 344 | Flask.                                | 4   |
| „ 345 | Bottle with wide mouth.               | 6   |
| „ 346 | Glass funnel.                         | 2   |
| „ 347 | Filtering paper.                      | 100 |
| „ 348 | Porcelain evaporating basin.          | 2   |
| „ 349 | Sand bath of iron plate.              | 1   |
| „ 350 | Receiver.                             | 2   |
| „ 351 | Calcium tube.                         | 1   |
| „ 352 | U-shaped tube.                        | 1   |
| „ 353 | Calcium tube with ball.               | 1   |
| „ 354 | Pneumatic trough of iron plate.       | 1   |
| „ 355 | Caoutchouc tube. 5 shaku.             |     |
| „ 356 | Gas holder.                           | 1   |
| „ 357 | Copper wire gauge spoon.              | 1   |

|       |                                      |        |       |                                                   |          |
|-------|--------------------------------------|--------|-------|---------------------------------------------------|----------|
| B 358 | Test paper.                          | 3      | B 386 | Japanese botanical specimens.                     | 1 set.   |
| „ 359 | Blow-pipe.                           | 1      | „ 387 | Models of Japanese flora.                         | 5 kinds. |
| „ 360 | Charcoal.                            | 1      | „ 388 | Specimens of Japanese rocks.                      | 1 set.   |
| „ 361 | Cork.                                | 24     |       | <b>ZOOLOGICAL SPECIMENS.</b>                      |          |
| „ 362 | Caoutchouc stopper.                  | 6      | „ 389 | <i>Kawahori</i> (Vesperugo abramus, Tem.).        | 1        |
| „ 363 | Horse-shoe magnet.                   | 1      | „ 390 | <i>Mugura</i> (Talpa moogura, Temm.).             | 1        |
| „ 364 | Shallow porcelain dish.              | 6      | „ 391 | <i>Itachi</i> (Mustela Itatsi, Tem.).             | 1        |
| „ 365 | Hydrogen gas bottle.                 | 1      | „ 392 | <i>Nezumi</i> (Mus decumanus, Pall.).             | 1        |
| „ 366 | Wolff's bottle, with two necks.      | 1      | „ 393 | Ditto ( <i>Skeleton</i> ).                        | 1        |
| „ 367 | Steel spatula.                       | 1      | „ 394 | <i>Kawasemi</i> (Alcedo bengalensis, Gm.).        | 1        |
| „ 368 | Triangular file.                     | 1      | „ 395 | <i>Aokera</i> (Gecinus Awokera, Tem.).            | 1        |
| „ 369 | Round file.                          | 1      | „ 396 | <i>Yotaka</i> (Caprimulgus Jotaka, T. & S.).      | 1        |
| „ 370 | Glass cylinder, graduated.           | 1      | „ 397 | <i>Chōma-tsugumi</i> (Turdus fuscatus, Pall.).    | 1        |
| „ 371 | Glass cylinder.                      | 1      | „ 398 | <i>Suzume</i> (Passer montanus, L.).              | 1        |
| „ 372 | Glass bottle with narrow mouth.      | 6      | „ 399 | <i>Hashibuto-karasu</i> (Corvus japonensis, Bp.). | 1        |
| „ 373 | Deflagrating spoon.                  | 2      | „ 400 | <i>Haitaka</i> (Accipiter nisus, L.).             | 1        |
| „ 374 | Iron retort.                         | 1      | „ 401 | <i>Kijibato</i> (Turtur orientalis, Lath.).       | 1        |
| „ 375 | Porcelain crucible, with cover.      | 1      |       |                                                   |          |
| „ 376 | Lead crucible.                       | 1      |       |                                                   |          |
| „ 377 | Crucible tongs.                      | 1      |       |                                                   |          |
| „ 378 | Cork squeezer.                       | 1      |       |                                                   |          |
| „ 379 | Portable furnace.                    | 1      |       |                                                   |          |
| „ 380 | Glass plates.                        | 6      |       |                                                   |          |
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| „ 383 | Beaker.                              | 1 set. |       |                                                   |          |
| „ 384 | Glass rod.                           | 3      |       |                                                   |          |
|       | <b>SPECIMENS, MODELS, ETC.</b>       |        |       |                                                   |          |
| „ 385 | Japanese mineral-ological specimens. | 1 set. |       |                                                   |          |

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| B 402 | <i>Uzura</i> (Coturnix communis, Bon.).         | 1 | B 417 | <i>Saba</i> (Scomber colias, L.).                  | 1 |
| „ 403 | <i>Jishiki</i> (Scolopax gallinago, L.).        | 1 | „ 418 | <i>Ina</i> (Mugil cephalotus, C. & V.).            | 1 |
| „ 404 | <i>Shirasagi</i> (Ardea intermedia, Wagl.).     | 1 | „ 419 | <i>Sayori</i> (Hemiramphus Sayori, Sc.).           | 1 |
| „ 405 | <i>Kogamo</i> (Anas crecca, L.).                | 1 | „ 420 | <i>Meitagarei</i> (Parophrys cornuta, Sc.).        | 1 |
| „ 406 | <i>U</i> (Phalacrocorax capillatus, T. & S.).   | 1 | „ 421 | <i>Funa</i> (Carassius auratus, L.).               | 1 |
| „ 407 | <i>Ajisashi</i> (Sterna longipennis, Nord.).    | 1 | „ 422 | <i>Ayu</i> (Plecoglossus altivelis, Sc.).          | 1 |
| „ 408 | <i>Kaitsuburi</i> (Podiceps minor, Gm.).        | 1 | „ 423 | <i>Anago</i> (Congramuræna Anago, Sc.).            | 1 |
| „ 409 | <i>Ishigame</i> (Clemmys japonica, Gray).       | 1 | „ 424 | <i>Mafugu</i> (Tetraodon vermicularis, Sc.).       | 1 |
| „ 410 | <i>Tokage</i> (Eumeces quinquelineatus, L.).    | 1 | „ 425 | <i>Yōjiuwo</i> (Syngnathus serratus, Sc.).         | 1 |
| „ 411 | <i>Yamakagashi</i> (Tropidonotus tigrinus).     | 1 | „ 426 | <i>Hoshizame</i> (Mustelus manazo, Bleek.).        | 1 |
| „ 412 | <i>Hikigaeru</i> (Bufo vulgaris, Linn.).        | 1 | „ 427 | <i>Yatsume-unagi</i> (Petromyzon fluviatilis, L.). | 1 |
| „ 413 | <i>Tonosamagaeru</i> (Rana esculenta, L.).      | 1 | „ 428 | <i>Hoya</i> (Cynthia, Sp.).                        | 1 |
| „ 414 | <i>Imori</i> (Triton pyrrhogaster, Boje).       | 1 | „ 429 | <i>Namako</i> (Stichopus japonicus, Sel.).         | 1 |
| „ 415 | <i>Suzuki</i> (Percalabrax japonicus, C. & V.). | 1 | „ 430 | <i>Tako-no-makura</i> (Clypeaster, Sp.).           | 1 |
| „ 416 | <i>Kasukodai</i> (Pagrus cardinalis, C. & V.).  | 1 | „ 431 | <i>Kikyōgai</i> (Poronella, Sp.).                  | 1 |
|       |                                                 |   | „ 432 | <i>Uni</i> (Echinometra, Sp.).                     | 1 |
|       |                                                 |   | „ 433 | <i>Hitode</i> (Asterias, Sp.).                     | 1 |



|       |                                                    |   |       |                                                     |   |
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| „ 435 | <i>Maika</i> (Sepia esculenta, Hoyle.).            | 1 | „ 451 | <i>Igai</i> (Mytilus Dunkeri, Reer.).               | 1 |
| „ 436 | <i>Mimiika</i> (Sepiolo japonica, D' Orb. & Fer.). | 1 | „ 452 | <i>Itayagai</i> (Vola laqueata, Sow.).              | 1 |
| „ 437 | <i>Katatsumuri</i> (Helix quaesita, Desh.).        | 1 | „ 453 | <i>Kaki</i> (Ostrea, Sp.).                          | 1 |
| „ 438 | <i>Kiserugai</i> (Clausilia, Sp.).                 | 1 | „ 454 | <i>Kimarubachi</i> (Bombus, Sp.).                   | 1 |
| „ 439 | <i>Naganishi</i> (Hemifusus tuba, Reer.).          | 1 | „ 455 | <i>Hachi</i> (Polistes, Sp.).                       | 1 |
| „ 440 | <i>Bai</i> (Epurnia japonica, Lisc.).              | 1 | „ 456 | <i>Ari</i> (Ponera, Sp.).                           | 1 |
| „ 441 | <i>Sazaye</i> (Turbo cornatus, Gm.).               | 1 | „ 457 | <i>Michioshie</i> (Cicindela chinensis, De Geer.).  | 1 |
| „ 442 | <i>Takaragai</i> (Cypraea mauritiana, L.).         | 1 | „ 458 | <i>Gengorō</i> (Cybister japonicus, Sharp).         | 1 |
| „ 443 | <i>Tokobushi</i> (Haliotis supertenta, Lisc.).     | 1 | „ 459 | <i>Hanamuguri</i> (Glycyphana avgyrosticta, Burm.). | 1 |
| „ 444 | <i>Yomegasara</i> (Patella nigrotincta, Reer.).    | 1 | „ 460 | <i>Tentōmushi</i> (Coccinella F-punctata, Scop.).   | 1 |
| „ 445 | <i>Mirukui</i> (Lutraria Nuthali, Cour.).          | 1 | „ 461 | <i>Kiageha</i> (Papilio machaon, L.).               | 1 |
| „ 446 | <i>Mate</i> (Solen, Sp.).                          | 1 | „ 462 | <i>Chalanaseseri</i> (Pamphila pellucida, Mur.).    | 1 |
| „ 447 | <i>Baka</i> (Trigonella sulcataria, Desh.).        | 1 | „ 463 | <i>Yūgahobettō</i> (Chaerocampa japonica, Butl.).   | 1 |
| „ 448 | <i>Hamaguri</i> (Cytherea meretrix, Reer.).        | 1 | „ 464 | <i>Kaiko-no-chō</i> (Bombyx mori, L.).              | 1 |
| „ 449 | <i>Sarubō</i> (Scapharea suberenata, Lisc.).       | 1 | „ 465 | <i>Abu</i> (Eristalis, Sp.).                        | 1 |
|       |                                                    |   | „ 466 | <i>Shōya</i> (Asilus, Sp.).                         | 1 |
|       |                                                    |   | „ 467 | <i>Aobae</i> (Calliphora, Sp.).                     | 1 |

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|-------|-------------------------------------------------------------|---|------------------------------------------------|--------------------------------------------------------------|---|
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| „ 469 | <i>Aburasemi</i> (Cicada,<br>Sp.).                          | 1 | „ 487                                          | <i>Umihiba</i> (Gorgoria,<br>Sp.).                           | 1 |
| „ 470 | <i>Ohagurotombo</i> (Ca-<br>lopterix, Sp.).                 | 1 | „ 488                                          | <i>Midori-ishi</i> (Modre-<br>pora, Sp.).                    | 1 |
| „ 471 | <i>Akatombo</i> (Diptax,<br>Sp.).                           | 1 | „ 489                                          | <i>Biwagaraishi</i> (Ocu-<br>lina, Sp.).                     | 1 |
| „ 472 | <i>Kurumabatta</i> (Acry-<br>dium, Sp.).                    | 1 | „ 490                                          | <i>Umiwata</i> (Euspon-<br>gia, Sp.).                        | 1 |
| „ 473 | <i>Hasamimushi</i> (For-<br>ficula, Sp.).                   | 1 | „ 491                                          | <i>Umiheehima</i> (Cha-<br>lina, Sp.).                       | 1 |
| „ 474 | <i>Mukade</i> (Scolopen-<br>dra, Sp.).                      | 1 | „ 492                                          | <i>Mushinosu</i> (Hali-<br>chondria, Sp.).                   | 1 |
| „ 475 | <i>Yasude</i> (Julus, Sp.).                                 | 1 | „ 493                                          | <i>Kohorogi</i> (Acheta,<br>Sp.).                            | 1 |
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| „ 478 | <i>Tenagaei</i> (Palae-<br>mon longipes,<br>D. H.).         | 1 | „ 495                                          | <i>Wasabi</i> (Eutrema<br>Wasabi).                           |   |
| „ 479 | <i>Yadokari</i> (Pagurus,<br>Sp.).                          | 1 | „ 496                                          | <i>Kabura</i> (Brassica<br>campestris).                      |   |
| „ 480 | <i>Shako</i> (Squilla ora-<br>toria, D. H.).                | 1 | „ 497                                          | <i>Daikon</i> (Raphanus<br>sativus).                         |   |
| „ 481 | <i>Funamushi</i> (Ligia,<br>Sp.).                           | 1 | „ 498                                          | <i>Tebushukan</i> (Citrus<br>medica, var. chi-<br>rocarpus). |   |
| „ 482 | <i>Kamenote</i> (Pollici-<br>pes mitella,<br>Darw.).        | 1 | „ 499                                          | <i>Remon</i> (Citrus limo-<br>num).                          |   |
| „ 483 | <i>Mekwaja</i> (Lingula<br>anatina, L.).                    | 1 | „ 500                                          | <i>Mikan</i> (Citrus nobi-<br>lis).                          |   |
| „ 484 | <i>Hiru</i> (Hirudo nip-<br>ponica, Whit.).                 | 1 | „ 501                                          | <i>Yuzu</i> (Citrus auran-<br>tium).                         |   |
| „ 485 | <i>Hara-no-mushi</i> (As-                                   |   |                                                |                                                              |   |

|       |                                                      |       |                                                                  |
|-------|------------------------------------------------------|-------|------------------------------------------------------------------|
| B 502 | <i>Zabon</i> ( <i>Citrus decumana</i> ).             | B 520 | <i>Hechima</i> ( <i>Luffa</i><br><i>petola</i> ).                |
| „ 503 | <i>Natsume</i> ( <i>Zyzyphus vulgaris</i> ).         | „ 521 | <i>Kiuri</i> ( <i>Cucumis sativus</i> ).                         |
| „ 504 | <i>Budō</i> ( <i>Vitis vinifera</i> ).               | „ 522 | <i>Makuwauri</i> ( <i>Cucumis Melo</i> ).                        |
| „ 505 | <i>Soramame</i> ( <i>Vicia faba</i> ).               | „ 523 | <i>Suikwa</i> ( <i>Citrullus edulis</i> ).                       |
| „ 506 | <i>Endō</i> ( <i>Pisum sativum</i> ).                | „ 524 | <i>Tōnasu</i> ( <i>Cucurbita Pepo</i> ).                         |
| „ 507 | <i>Ōmame</i> ( <i>Glycine hispida</i> ).             | „ 525 | <i>Ninjin</i> ( <i>Daucus Carota</i> ).                          |
| „ 508 | <i>Natamame</i> ( <i>Cannavallia ensiformis</i> ).   | „ 526 | <i>Udo</i> ( <i>Aralia cordata</i> ).                            |
| „ 509 | <i>Azuki</i> ( <i>Phaseolus radiatus</i> ).          | „ 527 | <i>Gobō</i> ( <i>Lappa major</i> ).                              |
| „ 510 | <i>Fujimame</i> ( <i>Dolichos cultratus</i> ).       | „ 528 | <i>Kaki</i> ( <i>Diospyros Kaki</i> ).                           |
| „ 511 | <i>Mume</i> ( <i>Prunus Mume</i> ).                  | „ 529 | <i>Satsuma-imo</i> ( <i>Ipomæa batatas</i> ).                    |
| „ 512 | <i>Momo</i> ( <i>Prunus persica</i> ).               | „ 530 | <i>Jagatara-imo</i> ( <i>Solanum tuberosum</i> ).                |
| „ 513 | <i>Sumomo</i> ( <i>Prunus triflora</i> ).            | „ 531 | <i>Nasubi</i> ( <i>Solanum Melongena</i> ).                      |
| „ 514 | <i>Botankyō</i> a kind of <i>Prunus communis</i> ).  | „ 532 | <i>Hōzuki</i> ( <i>Physalis Alkekengi</i> ).                     |
| „ 515 | <i>Nashi</i> ( <i>Pyrus ussuriensis</i> ).           | „ 533 | <i>Kuri</i> ( <i>Castanea vulgaris</i> , <i>var. japonica</i> ). |
| „ 516 | <i>Ringo</i> ( <i>Pyrus Malus</i> ).                 | „ 534 | <i>Myōga</i> ( <i>Zingiber Mioga</i> ).                          |
| „ 517 | <i>Biwa</i> ( <i>Photinia Eriobotria japonica</i> ). | „ 535 | <i>Shōga</i> ( <i>Zingiber officinale</i> ).                     |
| „ 518 | <i>Zakuro</i> ( <i>Punica Granatum</i> ).            | „ 536 | <i>Tsukune-imo</i> ( <i>Dioscorea batatas</i> ).                 |
| „ 519 | <i>Tōgwa</i> ( <i>Lagenaria dasistemon</i> ).        | „ 537 | <i>Negi</i> ( <i>Allium fistulosum</i> ).                        |
|       |                                                      | „ 538 | <i>Tamanegi</i> ( <i>Allium porrum</i> ).                        |



|        |                                                                                                                                                                                                   |   |       |                                 |          |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|---------------------------------|----------|
| B 539  | <i>Rakkyō</i> (Allium Bakeri).                                                                                                                                                                    |   | B 595 | Photograph of school buildings. | 1        |
| „ 540  | <i>Satoimo</i> (Colocasia antiquorum).                                                                                                                                                            |   | „ 596 | ditto                           | 2        |
| „ 541  | <i>Kuwai</i> (Sagittaria sagittaeifolia).                                                                                                                                                         |   | „ 597 | ditto                           | 1 tablet |
| „ 542  | <i>Tōmorokoshi</i> (Zea Mays).                                                                                                                                                                    |   | „ 598 | ditto                           | 4        |
| „ 543  | <i>Takenoko</i> (Bambusa Sp.), young shoot.                                                                                                                                                       |   | „ 599 | ditto                           | 1        |
| „ 544  | <i>Matsudake</i> (Armilaria Sp.).                                                                                                                                                                 |   | „ 600 | ditto                           | 1        |
|        | The objects, B. Nos. 1-544, are such as were exhibited by elementary schools and collected by the Department of Education. They are designed to show the present condition of elementary schools. |   | „ 601 | ditto                           | 1        |
| 545-}  |                                                                                                                                                                                                   |   | „ 602 | ditto                           | 1        |
| „ 556} | (Withdrawn).                                                                                                                                                                                      |   | „ 603 | ditto                           | 1        |
| 557-}  | Tools and Instruments for Manual Training.                                                                                                                                                        |   | „ 604 | ditto                           | 1        |
| „ 581} |                                                                                                                                                                                                   |   | „ 605 | ditto                           | 1        |
| 582-}  |                                                                                                                                                                                                   |   | „ 606 | ditto                           | 2        |
| „ 584} | (Withdrawn).                                                                                                                                                                                      |   | „ 607 | ditto                           | 1        |
| „ 585  | Photograph of school buildings.                                                                                                                                                                   | 1 | „ 608 | ditto                           | 2        |
| „ 586  | ditto                                                                                                                                                                                             | 1 | „ 609 | ditto                           | 1        |
| „ 587  | ditto                                                                                                                                                                                             | 2 | „ 610 | ditto                           | 1        |
| „ 588  | ditto                                                                                                                                                                                             | 1 | „ 611 | ditto                           | 1        |
| „ 589  | ditto                                                                                                                                                                                             | 1 | „ 612 | ditto                           | 1        |
| „ 590  | ditto                                                                                                                                                                                             | 1 | „ 613 | ditto                           | 1        |
| „ 591  | ditto                                                                                                                                                                                             | 1 | „ 614 | ditto                           | 1        |
| „ 592  | ditto                                                                                                                                                                                             | 1 | „ 615 | ditto                           | 1        |
| „ 593  | ditto                                                                                                                                                                                             | 1 | „ 616 | ditto                           | 1        |
| „ 594  | ditto                                                                                                                                                                                             | 1 | „ 617 | ditto                           | 1        |
|        |                                                                                                                                                                                                   |   | „ 618 | ditto                           | 1        |
|        |                                                                                                                                                                                                   |   | „ 619 | ditto                           | 1        |
|        |                                                                                                                                                                                                   |   | „ 620 | ditto                           | 1        |
|        |                                                                                                                                                                                                   |   | „ 621 | ditto                           | 1        |
|        |                                                                                                                                                                                                   |   | „ 622 | ditto                           | 1        |
|        |                                                                                                                                                                                                   |   | „ 623 | ditto                           | 4        |
|        |                                                                                                                                                                                                   |   | „ 624 | Plan of school buildings.       | 1        |
|        |                                                                                                                                                                                                   |   | „ 625 | ditto                           | 1 tablet |
|        |                                                                                                                                                                                                   |   | „ 626 | (Withdrawn).                    |          |
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| „ 639              | ditto           | 1 „     | „ „   | Plate for meat.                                       | 6       |
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| „ 641              | ditto           | 1 „     | „ 674 | Coffee dish.                                          | 12      |
| „ 642              | ditto           | 1 „     | „ „   | <i>Keigata-mukōtsuke</i><br>(dish).                   | 20      |
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| „ 646              | ditto           | 1 „     | „ „   | <i>Sukashi-futamono</i><br>(dish with lid).           | 2       |
| „ 647              | ditto           | 1 „     | „ „   | <i>Gakusara</i> (plate).                              | 2       |
| „ 648              | ditto           | 1 „     | „ „   | Flower-vase.                                          | 2       |
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## SEWING BY PUPILS.

|       |                                                          |    |       |                                                                            |   |
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| „ 687 | <i>Mayedare</i> (a kind<br>of apron).                    | 1  | „ 718 | ditto                                                                      | 1 |
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| „ 698 | <i>Hakama-mayekake</i><br>(a kind of loose<br>trousers). | 1  | „ 729 | ditto                                                                      | 1 |
| „ 699 | <i>Muna-mayekake</i> (a<br>kind of apron).               | 1  | „ 730 | ditto                                                                      | 1 |
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| „ 701 | ditto                                                    | 1  | „ 732 | ditto                                                                      | 1 |
| „ 702 | Needle management.                                       | 5  | „ 733 | ditto                                                                      | 1 |
| „ 703 | Part sewing.                                             | 16 | „ 734 | Model of <i>naga-ju-<br/>ban</i> (long under-<br>garment) for la-<br>dies. | 1 |
| „ 704 | Sleeve and skirt<br>sewing.                              | 2  | „ 735 | Model of <i>naga-juban</i><br>(long under-gar-<br>ment) for ladies.        | 1 |
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| „ 707 | ditto                                                    | 2  | „ 738 | <i>Awase-juban</i> (lined<br>under-garment)<br>for gentlemen.              | 1 |
| „ 708 | Skirt sewing.                                            | 2  | „ 739 | <i>Awase-naga-juban</i><br>(long lined un-                                 |   |
| „ 709 | <i>Yodarekake</i> (bib).                                 | 6  |       |                                                                            |   |
| „ 710 | ditto                                                    | 1  |       |                                                                            |   |
| „ 711 | ditto                                                    | 1  |       |                                                                            |   |
| „ 712 | ditto                                                    | 1  |       |                                                                            |   |
| „ 713 | ditto                                                    | 1  |       |                                                                            |   |
| „ 714 | ditto                                                    | 2  |       |                                                                            |   |

|       |                                                                   |   |       |                                                     |   |
|-------|-------------------------------------------------------------------|---|-------|-----------------------------------------------------|---|
|       | der-garment) for ladies.                                          | 1 | B 761 | Model of <i>hitoye</i> (summer garment).            | 1 |
| B 740 | Model of <i>katabira</i> (thinnest summer garment) for gentlemen. | 1 | „ 762 | ditto                                               | 1 |
|       |                                                                   |   | „ 763 | ditto                                               | 1 |
| „ 741 | Part sewing of <i>hitoye</i> (summer garment).                    | 1 | „ 764 | ditto                                               | 1 |
|       |                                                                   |   | „ 765 | Model of <i>katabira</i> (thinnest summer garment). | 1 |
| „ 742 | Model of <i>hitoye</i> (summer garment).                          | 1 | „ 766 | Model of <i>hitoye</i> (summer garment).            | 1 |
|       |                                                                   |   | „ 767 | ditto                                               | 1 |
| „ 743 | Model of <i>katabira</i> (thinnest summer garment).               | 1 | „ 768 | ditto                                               | 1 |
|       |                                                                   |   | „ 769 | ditto                                               | 1 |
| „ 744 | Model of <i>hitoye</i> (summer garment).                          | 2 | „ 770 | ditto                                               | 1 |
|       |                                                                   | 3 | „ 771 | ditto                                               | 2 |
| „ 745 | ditto                                                             | 1 | „ 772 | Model of <i>katabira</i> (thinnest summer garment). | 1 |
| „ 746 | ditto                                                             | 1 |       |                                                     |   |
| „ 747 | ditto                                                             | 1 | „ 773 | Model of <i>hitoye</i> (summer garment).            | 1 |
| „ 748 | ditto                                                             | 1 |       |                                                     |   |
| „ 749 | ditto                                                             | 1 | „ 774 | ditto                                               | 1 |
| „ 750 | ditto                                                             | 1 | „ 775 | ditto                                               | 1 |
| „ 751 | ditto                                                             | 1 | „ 776 | ditto                                               | 1 |
| „ 752 | ditto                                                             | 1 | „ 777 | ditto                                               | 1 |
| „ 753 | ditto                                                             | 1 | „ 778 | ditto                                               | 1 |
| „ 754 | ditto                                                             | 1 | „ 779 | ditto                                               | 1 |
| „ 755 | Model of <i>katabira</i> (thinnest summer garment).               | 1 | „ 780 | ditto                                               | 1 |
|       |                                                                   |   | „ 781 | ditto                                               | 1 |
| „ 756 | Model of <i>hitoye</i> (summer garment).                          | 1 | „ 782 | ditto                                               | 1 |
|       |                                                                   |   | „ 783 | ditto                                               | 1 |
| „ 757 | ditto                                                             | 1 | „ 784 | ditto                                               | 2 |
| „ 758 | ditto                                                             | 1 | „ 785 | ditto                                               | 1 |
| „ 759 | ditto                                                             | 1 | „ 786 | ditto                                               | 1 |
| „ 760 | ditto                                                             | 1 | „ 787 | Model of <i>katabira</i>                            |   |

|       |                                              |   |       |                                               |   |
|-------|----------------------------------------------|---|-------|-----------------------------------------------|---|
|       | (thinnest summer garment).                   | 1 | B 820 | <i>Hitoye</i> (summer garment) for            |   |
| B 788 | ditto                                        | 1 |       | children.                                     | 1 |
| „ 789 | Model of <i>hitoye</i> (summer garment).     | 1 | „ 821 | ditto                                         | 1 |
|       |                                              |   | „ 822 | ditto                                         | 1 |
| „ 790 | ditto                                        | 1 | „ 823 | ditto                                         | 1 |
| „ 791 | ditto                                        | 1 | „ 824 | ditto                                         | 1 |
| „ 792 | ditto                                        | 1 | „ 825 | <i>Hitoye</i> (summer garment) for gentlemen. | 1 |
| „ 793 | ditto                                        | 1 | „ 826 | ditto                                         | 1 |
| „ 794 | ditto                                        | 1 | „ 827 | ditto                                         | 1 |
| „ 795 | ditto                                        | 1 | „ 828 | ditto                                         | 1 |
| „ 796 | ditto                                        | 1 | „ 829 | <i>Hitoye</i> (summer garment) for ladies.    | 1 |
| „ 797 | <i>Hitoye</i> (summer garment) for children. | 1 | „ 830 | ditto                                         | 1 |
|       |                                              |   | „ 831 | ditto                                         | 1 |
| „ 798 | ditto                                        | 1 | „ 832 | ditto                                         | 1 |
| „ 799 | ditto                                        | 1 | „ 833 | ditto                                         | 1 |
| „ 800 | ditto                                        | 1 | „ 834 | ditto                                         | 1 |
| „ 801 | ditto                                        | 1 | „ 835 | ditto                                         | 1 |
| „ 802 | ditto                                        | 1 | „ 836 | ditto                                         | 1 |
| „ 803 | ditto                                        | 1 | „ 837 | ditto                                         | 1 |
| „ 804 | ditto                                        | 1 | „ 838 | ditto                                         | 1 |
| „ 805 | ditto                                        | 1 | „ 839 | ditto                                         | 1 |
| „ 806 | ditto                                        | 1 | „ 840 | ditto                                         | 1 |
| „ 807 | ditto                                        | 1 | „ 841 | Model of <i>awase</i> (lined garment).        | 1 |
| „ 808 | ditto                                        | 2 |       |                                               |   |
| „ 809 | ditto                                        | 1 | „ 842 | ditto                                         | 1 |
| „ 810 | ditto                                        | 1 | „ 843 | ditto                                         | 1 |
| „ 811 | ditto                                        | 1 | „ 844 | ditto                                         | 1 |
| „ 812 | ditto                                        | 1 | „ 845 | ditto                                         | 1 |
| „ 813 | ditto                                        | 1 | „ 846 | ditto                                         | 1 |
| „ 814 | ditto                                        | 1 | „ 847 | ditto                                         | 1 |
| „ 815 | ditto                                        | 1 | „ 848 | ditto                                         | 1 |
| „ 816 | ditto                                        | 1 | „ 849 | ditto                                         | 1 |
| „ 817 | ditto                                        | 1 | „ 850 | ditto                                         | 1 |
| „ 818 | ditto                                        | 1 | „ 851 | ditto                                         | 1 |
| „ 819 | ditto                                        | 1 | „ 852 | ditto                                         | 1 |

| B 853 | Model of <i>awase</i><br>(lined garment). | 1 | B 890 | Model of <i>awase</i><br>(lined garment).   | 1 |
|-------|-------------------------------------------|---|-------|---------------------------------------------|---|
| „ 854 | ditto                                     | 1 | „ 891 | ditto                                       | 1 |
| „ 855 | ditto                                     | 1 | „ 892 | ditto                                       | 1 |
| „ 856 | ditto                                     | 2 | „ 893 | ditto                                       | 1 |
| „ 857 | ditto                                     | 1 | „ 894 | ditto                                       | 1 |
| „ 858 | ditto                                     | 1 | „ 895 | ditto                                       | 1 |
| „ 859 | ditto                                     | 1 | „ 896 | ditto                                       | 1 |
| „ 860 | ditto                                     | 1 | „ 897 | <i>Awase</i> (lined garment) for children.  | 1 |
| „ 861 | ditto                                     | 1 |       |                                             |   |
| „ 862 | ditto                                     | 1 | „ 898 | ditto                                       | 1 |
| „ 863 | ditto                                     | 1 | „ 899 | ditto                                       | 1 |
| „ 864 | ditto                                     | 1 | „ 900 | ditto                                       | 1 |
| „ 865 | ditto                                     | 1 | „ 901 | ditto                                       | 1 |
| „ 866 | ditto                                     | 1 | „ 902 | ditto                                       | 1 |
| „ 867 | ditto                                     | 1 | „ 903 | ditto                                       | 1 |
| „ 868 | ditto                                     | 1 | „ 904 | ditto                                       | 1 |
| „ 869 | ditto                                     | 1 | „ 905 | ditto                                       | 1 |
| „ 870 | ditto                                     | 1 | „ 906 | ditto                                       | 1 |
| „ 871 | ditto                                     | 1 | „ 907 | ditto                                       | 1 |
| „ 872 | ditto                                     | 1 | „ 908 | ditto                                       | 1 |
| „ 873 | ditto                                     | 1 | „ 909 | ditto                                       | 1 |
| „ 874 | ditto                                     | 2 | „ 910 | ditto                                       | 1 |
| „ 875 | ditto                                     | 1 | „ 911 | ditto                                       | 1 |
| „ 876 | ditto                                     | 1 | „ 912 | ditto                                       | 1 |
| „ 877 | ditto                                     | 1 | „ 913 | ditto                                       | 1 |
| „ 878 | ditto                                     | 1 | „ 914 | ditto                                       | 1 |
| „ 879 | ditto                                     | 1 | „ 915 | ditto                                       | 1 |
| „ 880 | ditto                                     | 1 | „ 916 | ditto                                       | 1 |
| „ 881 | ditto                                     | 1 | „ 917 | ditto                                       | 1 |
| „ 882 | ditto                                     | 1 | „ 918 | <i>Awase</i> (lined garment) for gentlemen. | 1 |
| „ 883 | ditto                                     | 1 |       |                                             |   |
| „ 884 | ditto                                     | 1 | „ 919 | ditto                                       | 1 |
| „ 885 | ditto                                     | 1 | „ 920 | ditto                                       | 1 |
| „ 886 | ditto                                     | 1 | „ 921 | ditto                                       | 1 |
| „ 887 | ditto                                     | 1 | „ 922 | <i>Awase</i> (lined garment) for ladies.    | 1 |
| „ 888 | ditto                                     | 1 |       |                                             |   |
| „ 889 | ditto                                     | 1 |       |                                             |   |

|       |                                           |   |       |                                                      |   |
|-------|-------------------------------------------|---|-------|------------------------------------------------------|---|
| B 923 | <i>Awase</i> (lined garment) for ladies.  | 1 | B 958 | Model of <i>wataire</i> (padded garment).            | 1 |
| „ 924 | ditto                                     | 1 | „ 959 | ditto                                                | 1 |
| „ 925 | ditto                                     | 1 | „ 960 | ditto                                                | 1 |
| „ 926 | ditto                                     | 1 | „ 961 | ditto                                                | 1 |
| „ 927 | ditto                                     | 1 | „ 962 | ditto                                                | 1 |
| „ 928 | ditto                                     | 1 | „ 963 | ditto                                                | 1 |
| „ 929 | Model of <i>wataire</i> (padded garment). | 1 | „ 964 | ditto                                                | 1 |
| „ 930 | ditto                                     | 1 | „ 965 | ditto                                                | 1 |
| „ 931 | ditto                                     | 1 | „ 966 | ditto                                                | 2 |
| „ 932 | ditto                                     | 1 | „ 967 | ditto                                                | 1 |
| „ 933 | ditto                                     | 1 | „ 968 | ditto                                                | 1 |
| „ 934 | ditto                                     | 1 | „ 969 | ditto                                                | 1 |
| „ 935 | ditto                                     | 1 | „ 970 | <i>Wataire</i> (padded garment) for children.        | 1 |
| „ 936 | ditto                                     | 1 | „ 971 | ditto                                                | 1 |
| „ 937 | ditto                                     | 2 | „ 972 | ditto                                                | 1 |
| „ 938 | ditto                                     | 1 | „ 973 | ditto                                                | 1 |
| „ 939 | ditto                                     | 1 | „ 974 | ditto                                                | 2 |
| „ 940 | ditto                                     | 1 | „ 975 | ditto                                                | 1 |
| „ 941 | ditto                                     | 1 | „ 976 | <i>Wataire</i> (padded garment) for gentlemen.       | 1 |
| „ 942 | ditto                                     | 1 | „ 977 | ditto                                                | 1 |
| „ 943 | ditto                                     | 1 | „ 978 | ditto                                                | 1 |
| „ 944 | ditto                                     | 1 | „ 979 | <i>Wataire</i> (padded garment) for ladies.          | 1 |
| „ 945 | ditto                                     | 1 | „ 980 | ditto                                                | 1 |
| „ 946 | ditto                                     | 1 | „ 981 | Model of <i>haori</i> (coat).                        | 1 |
| „ 947 | ditto                                     | 2 | „ 982 | ditto                                                | 1 |
| „ 948 | ditto                                     | 1 | „ 983 | Model of <i>juban</i> (under-garment) for gentleman. | 1 |
| „ 949 | ditto                                     | 1 | „ 984 | ditto                                                | 1 |
| „ 950 | ditto                                     | 1 | „ 985 | ditto                                                | 1 |
| „ 951 | ditto                                     | 2 | „ 986 | ditto                                                | 1 |
| „ 952 | ditto                                     | 1 |       |                                                      |   |
| „ 953 | ditto                                     | 1 |       |                                                      |   |
| „ 954 | ditto                                     | 1 |       |                                                      |   |
| „ 955 | ditto                                     | 1 |       |                                                      |   |
| „ 956 | ditto                                     | 1 |       |                                                      |   |
| „ 957 | ditto                                     | 1 |       |                                                      |   |



|        |                                                      |   |        |                                                      |   |
|--------|------------------------------------------------------|---|--------|------------------------------------------------------|---|
| B 987  | Model of <i>juban</i> (under-garment) for gentlemen. | 1 | B 1023 | Model of <i>juban</i> (under garment) for gentlemen. | 1 |
| „ 988  | ditto                                                | 1 | „ 1024 | ditto                                                | 1 |
| „ 989  | ditto                                                | 1 | „ 1025 | ditto                                                | 1 |
| „ 990  | ditto                                                | 1 | „ 1026 | ditto                                                | 1 |
| „ 991  | ditto                                                | 1 | „ 1027 | ditto                                                | 1 |
| „ 992  | ditto                                                | 1 | „ 1028 | ditto                                                | 1 |
| „ 993  | ditto                                                | 1 | „ 1029 | <i>Haori</i> (coat) for children.                    | 1 |
| „ 994  | ditto                                                | 1 | „ 1030 | ditto                                                | 1 |
| „ 995  | ditto                                                | 1 | „ 1031 | ditto                                                | 1 |
| „ 996  | ditto                                                | 1 | „ 1032 | ditto                                                | 1 |
| „ 997  | ditto                                                | 1 | „ 1033 | ditto                                                | 1 |
| „ 998  | ditto                                                | 1 | „ 1034 | <i>Haori</i> (coat) for gentlemen.                   | 1 |
| „ 999  | ditto                                                | 1 | „ 1035 | ditto                                                | 1 |
| „ 1000 | ditto                                                | 1 | „ 1036 | ditto                                                | 1 |
| „ 1001 | ditto                                                | 1 | „ 1037 | ditto                                                | 1 |
| „ 1002 | ditto                                                | 1 | „ 1038 | ditto                                                | 1 |
| „ 1003 | ditto                                                | 1 | „ 1039 | ditto                                                | 1 |
| „ 1004 | ditto                                                | 1 | „ 1040 | ditto                                                | 1 |
| „ 1005 | ditto                                                | 1 | „ 1041 | ditto                                                | 1 |
| „ 1006 | ditto                                                | 2 | „ 1042 | ditto                                                | 1 |
| „ 1007 | ditto                                                | 1 | „ 1043 | ditto                                                | 1 |
| „ 1008 | ditto                                                | 1 | „ 1044 | <i>Haori</i> (coat) for ladies.                      | 1 |
| „ 1009 | ditto                                                | 2 | „ 1045 | <i>Haori</i> (coat) for gentlemen.                   | 1 |
| „ 1010 | ditto                                                | 1 | „ 1046 | ditto                                                | 1 |
| „ 1011 | ditto                                                | 1 | „ 1047 | ditto                                                | 1 |
| „ 1012 | ditto                                                | 1 | „ 1048 | <i>Haori</i> (coat) for ladies.                      | 1 |
| „ 1013 | ditto                                                | 1 | „ 1049 | ditto                                                | 1 |
| „ 1014 | ditto                                                | 2 | „ 1050 | ditto                                                | 1 |
| „ 1015 | ditto                                                | 1 |        |                                                      |   |
| „ 1016 | ditto                                                | 1 |        |                                                      |   |
| „ 1017 | ditto                                                | 1 |        |                                                      |   |
| „ 1018 | ditto                                                | 1 |        |                                                      |   |
| „ 1019 | ditto                                                | 1 |        |                                                      |   |
| „ 1020 | ditto                                                | 1 |        |                                                      |   |
| „ 1021 | ditto                                                | 1 |        |                                                      |   |
| „ 1022 | ditto                                                | 1 |        |                                                      |   |



|        |                                              |   |        |                                                   |   |
|--------|----------------------------------------------|---|--------|---------------------------------------------------|---|
| B 1051 | Model of <i>hifu</i> (a kind of coat).       | 1 | B 1083 | Model of <i>hakama</i> (a kind of trousers).      | 1 |
| „ 1052 | ditto                                        | 1 | „ 1084 | <i>Hakama</i> (a kind of trousers) for children.  | 1 |
| „ 1053 | ditto                                        | 1 | „ 1085 | ditto                                             | 1 |
| „ 1054 | ditto                                        | 1 | „ 1086 | ditto                                             | 1 |
| „ 1055 | ditto                                        | 1 | „ 1087 | ditto                                             | 1 |
| „ 1056 | <i>Hifu</i> (a kind of coat) for children.   | 1 | „ 1088 | ditto                                             | 1 |
| „ 1057 | Model of <i>hakama</i> (a kind of trousers). | 1 | „ 1089 | ditto                                             | 1 |
| „ 1058 | ditto                                        | 1 | „ 1090 | ditto                                             | 1 |
| „ 1059 | ditto                                        | 1 | „ 1091 | <i>Hakama</i> (a kind of trousers) for gentlemen. | 1 |
| „ 1060 | ditto                                        | 1 | „ 1092 | ditto                                             | 1 |
| „ 1061 | ditto                                        | 1 | „ 1093 | ditto                                             | 1 |
| „ 1062 | ditto                                        | 1 | „ 1094 | ditto                                             | 1 |
| „ 1063 | ditto                                        | 1 | „ 1095 | ditto                                             | 1 |
| „ 1064 | ditto                                        | 1 | „ 1096 | ditto                                             | 1 |
| „ 1065 | ditto                                        | 1 | „ 1097 | ditto                                             | 1 |
| „ 1066 | ditto                                        | 1 | „ 1098 | ditto                                             | 1 |
| „ 1067 | ditto                                        | 1 | „ 1099 | ditto                                             | 1 |
| „ 1068 | ditto                                        | 1 | „ 1100 | Model of <i>obi</i> (belt).                       | 2 |
| „ 1069 | ditto                                        | 1 | „ 1101 | ditto                                             | 1 |
| „ 1070 | ditto                                        | 1 | „ 1102 | ditto                                             | 1 |
| „ 1071 | ditto                                        | 1 | „ 1103 | ditto                                             | 1 |
| „ 1072 | ditto                                        | 1 | „ 1104 | ditto                                             | 1 |
| „ 1073 | ditto                                        | 1 | „ 1105 | ditto                                             | 1 |
| „ 1074 | ditto                                        | 1 | „ 1106 | ditto                                             | 1 |
| „ 1075 | ditto                                        | 1 | „ 1107 | ditto                                             | 1 |
| „ 1076 | ditto                                        | 1 | „ 1108 | ditto                                             | 1 |
| „ 1077 | ditto                                        | 1 | „ 1109 | ditto                                             | 1 |
| „ 1078 | ditto                                        | 1 | „ 1110 | ditto                                             | 2 |
| „ 1079 | ditto                                        | 1 | „ 1111 | ditto                                             | 1 |
| „ 1080 | ditto                                        | 1 | „ 1112 | ditto                                             | 1 |
| „ 1081 | ditto                                        | 1 | „ 1113 | ditto                                             | 1 |
| „ 1082 | ditto                                        | 1 |        |                                                   |   |

|        |                                                                |   |        |                                                                         |   |
|--------|----------------------------------------------------------------|---|--------|-------------------------------------------------------------------------|---|
| B 1114 | <i>Obi</i> (belt) for gentlemen.                               | 1 | B 1141 | <i>Kyahan</i> (leggings).                                               | 1 |
| „ 1115 | ditto                                                          | 1 | „ 1142 | <i>Marudōgi</i> (padded coat without sleeves) for children.             | 1 |
| „ 1116 | ditto                                                          | 1 | „ 1143 | ditto                                                                   | 1 |
| „ 1117 | ditto                                                          | 1 | „ 1144 | <i>Sodenashi</i> (a kind of quilted coat without sleeves) for children. | 1 |
| „ 1118 | ditto                                                          | 1 | „ 1145 | ditto                                                                   | 1 |
| „ 1119 | <i>Obi</i> (belt) for ladies.                                  | 1 | „ 1146 | Model of <i>zabuton</i> (cushion).                                      | 5 |
| „ 1120 | ditto                                                          | 1 | „ 1147 | ditto                                                                   | 1 |
| „ 1121 | ditto                                                          | 1 | „ 1148 | ditto                                                                   | 1 |
| „ 1122 | ditto                                                          | 1 | „ 1149 | Model of <i>yogi</i> (quilted bed covering).                            | 1 |
| „ 1123 | Darned soles of <i>tabi</i> (socks).                           | 1 | „ 1150 | Model of <i>shiki-buton</i> (mattress).                                 | 1 |
| „ 1124 | <i>Tabi</i> (socks).                                           | 1 | „ 1151 | <i>Maki-buton</i> (a kind of quilted bed covering for infants).         | 1 |
| „ 1125 | ditto                                                          | 1 | „ 1152 | Pillow for children.                                                    | 1 |
| „ 1126 | ditto                                                          | 1 | „ 1153 | Model of pillow.                                                        | 1 |
| „ 1127 | ditto                                                          | 1 | „ 1154 | Model of <i>kappa</i> (water-proof coat) for ladies.                    | 1 |
| „ 1128 | ditto                                                          | 1 | „ 1155 | Model of <i>happi</i> (manservant's coat).                              | 1 |
| „ 1129 | ditto                                                          | 1 | „ 1156 | Model of <i>momohiki</i> (a kind of pantaloons).                        | 1 |
| „ 1130 | ditto                                                          | 1 | „ 1157 | ditto                                                                   | 1 |
| „ 1131 | ditto                                                          | 1 | „ 1158 | ditto                                                                   | 1 |
| „ 1132 | <i>Momohiki</i> (a kind of pantaloons).                        | 1 | „ 1159 | Model of <i>kyahan</i> (leggings).                                      | 1 |
| „ 1133 | ditto                                                          | 1 |        |                                                                         |   |
| „ 1134 | ditto                                                          | 1 |        |                                                                         |   |
| „ 1135 | ditto                                                          | 1 |        |                                                                         |   |
| „ 1136 | ditto                                                          | 1 |        |                                                                         |   |
| „ 1137 | <i>Amaginu</i> (water-proof coat) for ladies.                  | 1 |        |                                                                         |   |
| „ 1138 | <i>Tsutsusode-hanten</i> (a kind of coat with narrow sleeves). | 1 |        |                                                                         |   |
| „ 1139 | <i>Shirushi-banten</i> (a kind of coat for servants).          | 1 |        |                                                                         |   |
| „ 1140 | <i>Hanten</i> (a kind of coat).                                | 1 |        |                                                                         |   |

|        |                                                                                            |        |                                                                                                                                                   |
|--------|--------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| B 1160 | Model of <i>harakake</i><br>(cloth covering<br>tied over the<br>chest and abdo-<br>men). 1 | B 1176 | <i>Marukuke</i> (round<br>quilted belt for<br>children). 1                                                                                        |
| „ 1161 | Model of <i>kyahan</i><br>(leggings). 1                                                    | „ 1177 | ditto 1                                                                                                                                           |
| „ 1162 | <i>Tabi</i> (socks). 1                                                                     | „ 1178 | ditto 2                                                                                                                                           |
| „ 1163 | Model of a work-<br>man's garment. 4                                                       | „ 1179 | ditto 1                                                                                                                                           |
| „ 1164 | <i>Tabi</i> (socks). 1                                                                     | „ 1180 | Model of shirt. 1                                                                                                                                 |
| „ 1165 | ditto 1                                                                                    | „ 1181 | ditto 3                                                                                                                                           |
| „ 1166 | ditto 2                                                                                    | „ 1182 | ditto 1                                                                                                                                           |
| „ 1167 | ditto 1                                                                                    | „ 1183 | Model of trousers. 1                                                                                                                              |
| „ 1168 | ditto 1                                                                                    | „ 1184 | Shirt. 1                                                                                                                                          |
| „ 1169 | Model of <i>sodenashi</i><br>(quilted coat<br>without sleeves)<br>for children. 1          | „ 1185 | ditto 1                                                                                                                                           |
| „ 1170 | ditto 1                                                                                    | „ 1186 | ditto 1                                                                                                                                           |
| „ 1171 | Model of <i>momohiki</i><br>(a kind of pan-<br>taloon). 1                                  | „ 1187 | Model of <i>hitoye</i><br>(summer gar-<br>ment), and <i>juban</i><br>(under - garment)<br>for gentlemen. 1                                        |
| „ 1172 | Model of <i>kyahan</i><br>(leggings). 1                                                    | „ 1188 | Model of <i>hitoye</i><br>(summer gar-<br>ment) and its<br>part sewing. 3                                                                         |
| „ 1173 | <i>Suppori</i> (a kind of<br>cloth covering<br>tied over the<br>chest and abdo-<br>men). 1 | „ 1189 | Model of <i>wataire</i><br>(padded garment)<br>and its part sew-<br>ing. 2                                                                        |
| „ 1174 | <i>Haramaki</i> (cloth<br>covering tied over<br>the chest and<br>abdomen). 1               | „ 1190 | ditto 2                                                                                                                                           |
| „ 1175 | Model of <i>harakake</i><br>(cloth covering<br>tied over the<br>chest and abdo-<br>men) 1  | „ 1191 | Model of <i>naga-juban</i><br>(long under-gar-<br>ment), <i>wataire</i><br>(padded gar-<br>ment), and <i>haori</i><br>(coat) for child-<br>ren. 1 |
|        |                                                                                            | „ 1192 | Model of <i>wataire</i><br>(padded garment)<br>for gentlemen. 1                                                                                   |
|        |                                                                                            | „ 1193 | ditto 1                                                                                                                                           |

|        |                                                                      |    |        |                                                                       |                                                  |   |
|--------|----------------------------------------------------------------------|----|--------|-----------------------------------------------------------------------|--------------------------------------------------|---|
| B 1194 | (Withdrawn).                                                         |    |        |                                                                       | <i>chi-hitoye</i> (summer garment for children). | 1 |
| „ 1195 | Embroidery.                                                          | 14 |        |                                                                       |                                                  |   |
| „ „    | <i>Itchokusen-nui</i> (a kind of sewing).                            | 1  | B 1196 | <i>Kodachi-hitoye</i> (summer garment for children).                  |                                                  | 1 |
| „ „    | <i>Tsuki-awase-nuimono</i> (a kind of sewing).                       | 1  |        |                                                                       |                                                  | 1 |
| „ „    | <i>Oshi-nui</i> (ditto).                                             | 1  | „ „    | <i>Awasebanten</i> (a kind of lined coat).                            |                                                  | 3 |
| „ „    | <i>Fukuro-nui</i> (ditto).                                           | 1  | „ „    | <i>Marukuke-himo</i> (a kind of quilted belt).                        |                                                  | 1 |
| „ „    | <i>Fuse-nui</i> (ditto).                                             | 1  | „ „    | Cutting of <i>hondachi-hitoye</i> (summer garment for gentlemen ).    |                                                  | 1 |
| „ „    | <i>Kaeshi-nui</i> (ditto).                                           | 1  | „ „    | Part sewing of <i>hondachi-hitoye</i> (summer garment for gentlemen). |                                                  | 1 |
| „ „    | <i>Fuji-nui</i> (ditto).                                             | 1  | „ „    | <i>Hondachi-hitoye</i> (summer garment for gentlemen).                |                                                  | 1 |
| „ „    | Patching of cotton cloth.                                            | 1  | „ „    | Cutting of <i>awase-naga-juban</i> (long lined under-garment).        |                                                  | 1 |
| „ „    | Patching of silk stuff.                                              | 1  | „ „    | Part sewing of <i>awase-naga-juban</i> (long lined under-garment).    |                                                  | 1 |
| „ „    | Part sewing of <i>shitotsumi-juban</i> (under-garment for children). | 1  | „ „    | <i>Kinchaku</i> (purse).                                              |                                                  | 1 |
| „ „    | <i>Shitotsumi-juban</i> (under-garment for children).                | 1  | „ „    | <i>Zukin</i> (hood).                                                  |                                                  | 1 |
| „ „    | Cutting of <i>shitotsumi-juban</i> (under-garment for children).     | 1  | „ 1197 | Cutting of <i>kodachi-awase</i> (lined gar-                           |                                                  |   |
| „ „    | <i>Hondachi-juban</i> (under-garment).                               | 1  |        |                                                                       |                                                  |   |
| „ „    | Cutting of <i>hitoye-hanten</i> (summer coat).                       | 1  |        |                                                                       |                                                  |   |
| „ „    | <i>Hanten</i> (a kind of coat).                                      | 1  |        |                                                                       |                                                  |   |
| „ 1196 | Cutting of <i>kodachi-hitoye</i> (summer garment) for children.      | 1  |        |                                                                       |                                                  |   |
| „ „    | Part sewing of <i>koda-</i>                                          |    |        |                                                                       |                                                  |   |

|        |                                                                   |   |        |                                                                      |   |
|--------|-------------------------------------------------------------------|---|--------|----------------------------------------------------------------------|---|
|        | ment for children).                                               | 1 |        | <i>awase-haori</i> (lined coat).                                     | 1 |
| B 1197 | Part sewing of <i>kodachi-awase</i> (lined garment for children). | 1 | B 1198 | <i>Awase-haori</i> (lined coat).                                     | 1 |
| " "    | <i>Kodachi-awase</i> (lined garment for children).                | 1 | " "    | <i>Wataire-haori</i> (padded coat).                                  | 1 |
| " "    | <i>Kodachi-wataire</i> (padded garment for children).             | 1 | " "    | Cutting of <i>hifu</i> (a kind of coat).                             | 1 |
| " "    | <i>Obi</i> (belt) for gentlemen.                                  | 1 | " "    | <i>Hifu</i> (a kind of coat).                                        | 1 |
| " "    | <i>Obi</i> (belt) for ladies.                                     | 1 | " "    | Cutting of <i>hitoye-hakama</i> (a kind of trousers for summer use). | 1 |
| " "    | Part sewing of <i>hondachi-awase</i> (lined garment for ladies).  | 1 | " "    | <i>Hitoye-hakama</i> (a kind of trousers for summer use).            | 1 |
| " "    | <i>Hondachi-awase</i> (lined garment for gentlemen).              | 1 | " "    | <i>Harakuke</i> (cloth covering tied over the chest and abdomen).    | 1 |
| " "    | <i>Hondachi-wataire</i> (padded garment for gentlemen).           | 1 | " "    | <i>Momohiki</i> (a kind of pantaloons).                              | 1 |
| " "    | <i>Kyahan</i> (leggings).                                         | 1 | " "    | Cutting of <i>yagu</i> (bed covering).                               | 1 |
| " "    | <i>Tabi</i> (socks).                                              | 1 | " "    | <i>Yagu</i> (bed covering).                                          | 1 |
| " 1198 | Cutting of <i>hitoye-haori</i> (summer coat).                     | 1 | " "    | <i>Futon</i> (matress).                                              | 1 |
| " "    | Part sewing of <i>hitoye-haori</i> (summer coat).                 | 1 | " 1199 | Elementary sewing.                                                   | 1 |
| " "    | <i>Hitoye-haori</i> (summer coat).                                | 1 | " "    | <i>Tako-nui</i> (a kind of sewing).                                  | 1 |
| " "    | Cutting of <i>awase-haori</i> (lined coat).                       | 1 | " "    | <i>Kaketsugi</i> (ditto).                                            | 1 |
| " "    | Part sewing of                                                    |   | " "    | <i>Makuri-oshi-nui</i> (ditto).                                      | 1 |
|        |                                                                   |   | " "    | <i>Gushi-nui</i> (ditto).                                            | 1 |
|        |                                                                   |   | " "    | <i>Sogi-sode-nui</i> (ditto).                                        | 1 |
|        |                                                                   |   | " "    | <i>Hitoye-sode-nui</i> (sleeve sewing of                             |   |

|        |                              |   |        |                             |   |
|--------|------------------------------|---|--------|-----------------------------|---|
| B 1199 | summer garment).             | 1 | B 1200 | <i>Hitoye-sodenashi</i>     |   |
|        | <i>Mitsuori-nigyō-choku-</i> |   |        | (summer garment             |   |
|        | <i>sen-nui</i> (a kind of    |   |        | without sleeves).           | 1 |
|        | sewing).                     | 1 | „ „    | <i>Hitoye-juban</i> (sum-   |   |
| „ „    | <i>Ichigyō-chokusen-nui</i>  |   |        | mer under-gar-              |   |
|        | (ditto).                     | 1 |        | ment).                      | 1 |
| „ „    | <i>Kazoe-hari</i> (ditto).   | 1 | „ „    | <i>Hitoye</i> (summer       |   |
| „ „    | <i>Heri-tori</i> (ditto).    | 1 |        | garment) for                |   |
| „ „    | <i>Mujiri-sode-nui</i> (a    |   |        | children.                   | 1 |
|        | kind of sleeve               |   | „ „    | <i>Hitoye</i> (summer       |   |
|        | sewing).                     | 1 |        | garment) for la-            |   |
| „ „    | <i>Mayekake</i> (a kind of   |   |        | dies.                       | 1 |
|        | apron) for child-            |   | „ „    | Elementary sewing.          | 1 |
|        | ren.                         |   | „ 1201 | Embroidery.                 | 2 |
| „ „    | <i>Obi</i> (belt) for child- |   | „ „    | <i>Tsuma-age</i> (skirt     |   |
|        | ren.                         | 1 |        | folding).                   | 1 |
| „ „    | Embroidery.                  | 2 | „ „    | Part sewing of <i>awa-</i>  |   |
| „ „    | <i>Nukabukuro</i> (bag for   |   |        | <i>se</i> (lined gar-       |   |
|        | keeping rice-bran,           |   |        | ment).                      | 1 |
|        | used as soap).               | 1 | „ „    | ditto                       | 1 |
| „ „    | <i>Harakake</i> (cloth       |   | „ „    | Part sewing of <i>hito-</i> |   |
|        | covering tied over           |   |        | <i>ye-haori</i> (summer     |   |
|        | the chest and                |   |        | coat).                      | 1 |
|        | abdomen).                    | 1 | „ „    | <i>Wataire-sodenashi</i>    |   |
| „ „    | <i>Fukuro-nui</i> (a kind    |   |        | (padded garment             |   |
|        | of sewing).                  | 2 |        | without sleeves).           | 1 |
| „ 1200 | Part sewing of <i>hito-</i>  |   | „ „    | <i>Tsutsusode-awase</i>     |   |
|        | <i>ye</i> (summer gar-       |   |        | (lined coat with            |   |
|        | ment).                       | 1 |        | narrow sleeves)             |   |
| „ „    | ditto                        | 1 |        | for children.               | 1 |
| „ „    | ditto                        | 1 | „ „    | <i>Hitoye</i> (summer gar-  |   |
| „ „    | Embroidery.                  | 2 |        | ment) for gentle-           |   |
| „ „    | <i>Maru-obi</i> (a kind of   |   |        | men.                        | 1 |
|        | belt) for children.          | 1 | „ „    | <i>Awase</i> (lined gar-    |   |
| „ „    | <i>Mayekake</i> (a kind of   |   |        | ment) for gentle-           |   |
|        | apron) for ladies.           | 1 |        | men.                        | 1 |
| „ „    | <i>Mayedare</i> (a kind of   |   | „ „    | Elementary sewing.          | 1 |
|        | apron) for children.         | 1 | „ 1202 | Embroidery.                 | 2 |



|        |                                                 |   |        |                                                             |   |
|--------|-------------------------------------------------|---|--------|-------------------------------------------------------------|---|
| B 1202 | Patching.                                       | 1 | B 1204 | <i>Shikake-takabakama</i>                                   |   |
| " "    | <i>Eguri-tsugi</i> (a kind of patching).        | 1 |        | (a kind of trousers used on ceremonial occasions.)          | 1 |
| " "    | Part sewing of <i>awase-haori</i> (lined coat). | 1 | " "    | <i>Kyahan</i> (leggings).                                   | 1 |
| " "    | ditto                                           | 1 | " "    | <i>Haramaki</i> (armor for the abdomen).                    | 1 |
| " "    | Part sewing of <i>wata-ire</i> (padded coat).   | 1 | " "    | <i>Momohiki</i> (a kind of pantaloons).                     | 1 |
| " "    | ditto                                           | 1 | " "    | <i>Fumikomi-hakama</i>                                      |   |
| " "    | ditto                                           | 1 |        | (a kind of trousers).                                       | 1 |
| " "    | <i>Zukin</i> (hood).                            | 1 | " "    | <i>Yogi</i> (bed covering).                                 | 1 |
| " "    | <i>Awase-haori</i> (lined coat).                | 1 | " "    | Elementary sewing.                                          | 1 |
| " "    | <i>Wataire</i> (padded garment) for ladies.     | 1 |        | MANUAL WORK BY PUPILS.                                      |   |
| " "    | Elementary sewing.                              | 1 | " 1205 | Small bag.                                                  | 1 |
| " 1203 | Embroidery.                                     | 3 | " 1206 | <i>Hagoita</i> (battledoor) with <i>hane</i> (shuttlecock). | 1 |
| " "    | <i>Tabi</i> (socks).                            | 1 | " 1207 | Small bag.                                                  | 1 |
| " "    | <i>Kamenoko-uwagi</i> (a kind of garment).      | 1 | " 1208 | ditto                                                       | 1 |
| " "    | <i>Yodare-kake</i> (bib).                       | 1 | " 1209 | ditto                                                       | 1 |
| " "    | Belt for ladies.                                | 1 | " 1210 | <i>Kinchaku</i> (purse).                                    | 1 |
| " "    | <i>Hara-awase</i> (a kind of belt for ladies).  | 1 | " 1211 | ditto                                                       | 1 |
| " "    | <i>Natsu-haori</i> (summer coat).               | 1 | " 1212 | Small bag.                                                  | 1 |
| " "    | <i>Wataire-haori</i> (padded coat).             | 1 | " 1213 | <i>Kinchaku</i> (purse).                                    | 1 |
| " "    | <i>Makura</i> (pillow).                         | 1 | " 1214 | ditto                                                       | 1 |
| " "    | <i>Shiki-futon</i> (mattress).                  | 1 | " 1215 | ditto                                                       | 1 |
| " "    | Elementary sewing.                              | 1 | " 1216 | Small bag.                                                  | 2 |
| " 1204 | <i>Awase-haori</i> (lined coat).                | 1 | " 1217 | Bag.                                                        | 1 |
| " "    | <i>Hifu</i> (a kind of coat).                   | 1 | " 1218 | Photograph holder.                                          | 1 |
|        |                                                 |   | " 1219 | Horse (toy).                                                | 1 |
|        |                                                 |   | " 1220 | Cat (toy).                                                  | 1 |
|        |                                                 |   | " 1221 | Bag (doll).                                                 | 1 |
|        |                                                 |   | " 1222 | Bag (mandarin duck).                                        | 1 |

|        |                                                      |   |        |                                                |   |
|--------|------------------------------------------------------|---|--------|------------------------------------------------|---|
| B 1223 | Photograph holder.                                   | 1 | B 1246 | <i>Zukin</i> (hood).                           | 1 |
| „ 1224 | Letters in relief (Japanese alphabet).               | 1 | „ 1247 | ditto                                          | 1 |
| „ 1225 | Ornamental hair pin.                                 | 3 | „ 1248 | <i>Yodarekake</i> (bib).                       | 1 |
| „ 1226 | <i>Hiji-buton</i> (round cushion for resting elbow). | 2 | „ 1249 | <i>Tabi</i> (socks) for children.              | 1 |
| „ 1227 | ditto                                                | 1 | „ 1250 | <i>Katakake</i> (shawl).                       | 1 |
| „ 1228 | ditto                                                | 2 | „ 1251 | <i>Kinchaku</i> (purse).                       | 4 |
| „ „    | <i>Yodare-kake</i> (bib).                            | 1 | „ 1252 | ditto                                          | 1 |
| „ 1229 | <i>Yōgi-sashi</i> (tooth-pick holder).               | 1 | „ 1253 | <i>Hiji-buton</i> (cushion for resting elbow). | 1 |
| „ 1230 | Box ornamented with various figures.                 | 2 | „ 1254 | Cap for children.                              | 1 |
| „ 1231 | Box with raised pictures.                            | 1 | „ 1255 | ditto                                          | 1 |
| „ 1232 | Bag ornamented with various figures.                 | 1 | „ 1256 | ditto                                          | 1 |
| „ 1233 | <i>Zukin</i> (hood).                                 | 1 | „ 1257 | Small bag.                                     | 1 |
| „ 1234 | <i>Kinchaku</i> (purse).                             | 2 | „ 1258 | ditto                                          | 1 |
| „ 1235 | ditto                                                | 1 | „ 1259 | <i>Kinchaku</i> (purse).                       | 1 |
| „ 1236 | ditto                                                | 1 | „ 1260 | Cushion for flower-vase.                       | 1 |
| „ 1237 | ditto                                                | 1 | „ 1261 | <i>Yodarekake</i> (bib).                       | 3 |
| „ 1238 | ditto                                                | 1 | „ 1262 | ditto                                          | 1 |
| „ 1239 | ditto                                                | 1 | „ 1263 | Bag.                                           | 1 |
| „ 1240 | ditto                                                | 1 | „ 1264 | <i>Yodare-kake</i> (bib).                      | 1 |
| „ 1241 | ditto                                                | 1 | „ 1265 | Cushion for flower-vase.                       | 1 |
| „ 1242 | <i>Mamori-bukuro</i> (bag of charms).                | 1 | „ 1266 | <i>Yodare-kake</i> (bib).                      | 1 |
| „ 1243 | <i>Kami-ire</i> (Wallet for paper).                  | 2 | „ 1267 | <i>Hiji-tsuki</i> (cushion for resting elbow). | 1 |
| „ 1244 | <i>Kinchaku</i> (purse).                             | 1 | „ 1268 | <i>Kinchaku</i> (purse).                       | 1 |
| „ 1245 | Bag ornamented with raised pictures.                 | 1 | „ 1269 | <i>Yodare-kake</i> (bib).                      | 1 |
|        |                                                      |   | „ 1270 | Cushion for flower-vase.                       | 1 |
|        |                                                      |   | „ 1271 | ditto                                          | 1 |
|        |                                                      |   | „ 1272 | Gloves.                                        | 1 |
|        |                                                      |   | „ 1273 | Stockings.                                     | 2 |
|        |                                                      |   | „ 1274 | ditto                                          | 1 |
|        |                                                      |   | „ 1275 | <i>Tabi</i> (socks) for children.              | 1 |
|        |                                                      |   | „ 1276 | Stockings.                                     | 1 |



|        |                                                      |        |        |                                                                           |    |
|--------|------------------------------------------------------|--------|--------|---------------------------------------------------------------------------|----|
| B 1277 | Stockings.                                           | 1      | B 1313 | Embroidery.                                                               | 2  |
| „ 1278 | <i>Myaku-dome</i> (a kind<br>of cuffs).              | 1 pair | „ 1314 | ditto                                                                     | 2  |
| „ 1279 | ditto                                                | 1      | „ 1315 | ditto                                                                     | 1  |
| „ 1280 | ditto                                                | 1      | „ 1316 | ditto                                                                     | 1  |
| „ 1281 | Gloves.                                              | 1      | „ 1317 | ditto                                                                     | 9  |
| „ 1282 | ditto                                                | 1      | „ 1318 | ditto                                                                     | 1  |
| „ 1283 | Hood for children.                                   | 1      | „ 1319 | ditto                                                                     | 5  |
| „ 1284 | <i>Dōgi</i> (short under-gar-<br>ment) for children. | 1      | „ 1320 | ditto                                                                     | 2  |
| „ 1285 | Hand ball.                                           | 2      | „ 1321 | ditto                                                                     | 2  |
| „ 1286 | ditto                                                | 4      | „ 1322 | ditto                                                                     | 1  |
| „ 1287 | ditto                                                | 1      | „ 1323 | ditto                                                                     | 1  |
| „ 1288 | ditto                                                | 4      | „ 1324 | ditto                                                                     | 1  |
| „ 1289 | ditto                                                | 1      | „ 1325 | ditto                                                                     | 2  |
| „ 1290 | ditto                                                | 3      | „ 1326 | ditto                                                                     | 1  |
| „ 1291 | ditto                                                | 2      | „ 1327 | ditto                                                                     | 1  |
| „ 1292 | ditto                                                | 2      | „ 1328 | ditto                                                                     | 2  |
| „ 1 93 | ditto                                                | 1      | „ 1329 | ditto                                                                     | 2  |
| „ 1294 | ditto                                                | 2      | „ 1330 | ditto                                                                     | 7  |
| „ 1295 | Embroidery.                                          | 5      | „ 1331 | <i>Harakake</i> (cloth cover-<br>ing tied over the<br>chest and abdomen). | 1  |
| „ 1296 | ditto                                                | 12     | „ 1332 | ditto                                                                     | 1  |
| „ 1297 | ditto                                                | 4      | „ 1333 | <i>Yodare-kake</i> (bib).                                                 | 1  |
| „ 1298 | ditto                                                | 1      | „ 1334 | <i>Yubihame</i> (thimble).                                                | 7  |
| „ 1299 | ditto                                                | 5      | „ 1335 | Cord twisting.                                                            | 1  |
| „ 1300 | ditto                                                | 20     | „ 1336 | ditto                                                                     | 1  |
| „ 1301 | ditto                                                | 5      | „ 1337 | ditto                                                                     | 1  |
| „ 1302 | ditto                                                | 1      | „ 1338 | ditto                                                                     | 16 |
| „ 1303 | ditto                                                | 2      | „ 1339 | Child's crest.                                                            | 1  |
| „ 1304 | ditto                                                | 1      | „ 1340 | Box with raised<br>pictures.                                              | 1  |
| „ 1305 | ditto                                                | 5      | „ 1341 | <i>Oshiye</i> (raised fancy<br>work).                                     | 1  |
| „ 1306 | ditto                                                | 1      | „ 1342 | ditto                                                                     | 1  |
| „ 1307 | ditto                                                | 3      |        |                                                                           |    |
| „ 1308 | ditto                                                | 14     |        |                                                                           |    |
| „ 1309 | ditto                                                | 1      |        |                                                                           |    |
| „ 1310 | ditto                                                | 2      |        |                                                                           |    |
| „ 1311 | ditto                                                | 3      |        |                                                                           |    |
| „ 1312 | ditto                                                | 10     |        |                                                                           |    |
|        |                                                      |        |        | HANDIWORK BY PUPILS.                                                      |    |
|        |                                                      |        | „ 1343 | <i>Hashi</i> (chopsticks).                                                | 4  |
|        |                                                      |        | „ „    | <i>Hishaku</i> (a kind of                                                 |    |

|        |                              |    |        |                            |       |
|--------|------------------------------|----|--------|----------------------------|-------|
|        | ladle).                      | 2  | B 1345 | <i>Hagoita</i> (battle-    |       |
| B 1343 | <i>Saji</i> (spoon).         | 5  |        | door).                     | 2     |
| " "    | Ruler.                       | 2  | " "    | <i>Shiori</i> (book-mark). | 2     |
| " "    | Wood for engraving.          | 6  | " "    | Mould for making           |       |
| " "    | Wooden card.                 | 2  |        | <i>sushi</i> (vinegar-     |       |
| " "    | <i>Itomaki</i> (a piece of   |    |        | rice).                     | 2     |
|        | wood for winding             |    | " "    | Box for keeping            |       |
|        | thread on).                  | 4  |        | visiting cards.            | 1     |
| " 1344 | Elementary tin               |    | " "    | <i>Hashira-kake</i> (board |       |
|        | work.                        | 11 |        | hung against the           |       |
| " "    | ditto                        | 4  |        | pillars of a house         |       |
| " "    | <i>Sara</i> (plate).         | 2  |        | to hide them).             | 2     |
| " "    | Box for keeping              |    | " "    | Small box.                 | 2     |
|        | bird's food.                 | 3  | " "    | <i>Chiyegei</i> (a kind of |       |
| " "    | <i>Jōgo</i> (funnel).        | 2  |        | toy).                      | 1 set |
| " "    | <i>Chashaku</i> (tea-ladle). | 3  | " "    | Block.                     | 1     |
| " "    | <i>Kiri-fuki</i> (instru-    |    | " 1346 | <i>Hishaku</i> (a kind of  |       |
|        | ment for sprinkl-            |    |        | ladle).                    | 1     |
|        | ing water).                  | 2  | " 1347 | Holder for visiting        |       |
| " "    | <i>Chatsubo</i> (tea-box).   | 2  |        | cards.                     | 1     |
| " "    | <i>Abura-tsubo</i> (oil      |    | " 1348 | <i>Sumi-hasami</i> (In-    |       |
|        | box).                        | 2  |        | dian-ink holder).          | 1     |
| " "    | Soap-box.                    | 2  | " 1349 | <i>Hashi</i> (chopsticks). | 2     |
| " "    | <i>Jōro</i> (watering pot).  | 2  | " 1350 | Paper box.                 | 1     |
| " "    | Elementary brass             |    | " 1351 | Geometrical fig-           |       |
|        | work.                        | 7  |        | ures.                      | 2     |
| " "    | <i>Saji</i> (spoon).         | 3  | " 1352 | Note-book.                 | 1     |
| " "    | Shoeing-horn.                | 3  | " 1353 | <i>Noshi</i> (a piece of   |       |
| " "    | Elementary iron              |    |        | folded paper at-           |       |
|        | work.                        | 10 |        | tached to a pre-           |       |
| " "    | Nails.                       | 2  |        | sent).                     | 2     |
| " "    | Bent nails.                  | 2  | " 1354 | Note-book.                 | 1     |
| " "    | <i>Hibashi</i> (a kind of    |    | " 1355 | Envelope.                  | 10    |
|        | tongs).                      | 2  | " 1356 | <i>Maki-gami</i> (letter-  |       |
| " "    | Ruler.                       | 2  |        | paper).                    | 1     |
| " "    | <i>Hikaki</i> (fire shovel). | 2  | " 1357 | <i>Keishi</i> (ruled pa-   |       |
| " 1345 | Wood for engrav-             |    |        | per).                      | 1     |
|        | ing.                         | 6  | " 1358 | <i>Kanzenyori</i> (string  |       |

|        |                                                                      |   |        |                                                     |   |
|--------|----------------------------------------------------------------------|---|--------|-----------------------------------------------------|---|
|        | made of two strands of twisted paper).                               | 1 |        | winding thread on).                                 | 1 |
| B 1359 | <i>Koyori</i> (twisted paper).                                       | 1 | B 1376 | <i>Itowaku</i> (frame for winding thread on).       | 1 |
| „ 1360 | Straight embroidery.                                                 | 1 | „ 1377 | Flower-vase stand.                                  | 1 |
| „ 1361 | Curved embroidery.                                                   | 1 | „ 1378 | <i>Nori-ita</i> (board for making paste on).        | 1 |
| „ 1362 | Embroidery representing Mt. Fuji, cloud, and ship.                   | 1 | „ 1379 | <i>Okidai</i> (stand).                              | 1 |
| „ 1363 | Straight and curved embroidery.                                      | 2 | „ 1380 | <i>Fude-tate</i> (box for resting writing-brushes). | 1 |
| „ 1364 | Embroidery representing Mt. Fuji, cloud, and horse.                  | 1 | „ 1381 | <i>Shiori</i> (book-mark).                          | 1 |
| „ 1365 | <i>Chiritori</i> (a kind of dust pan).                               | 1 | „ 1382 | Letter holder.                                      | 1 |
| „ 1366 | Kettle lid.                                                          | 1 | „ 1383 | <i>Hishaku</i> (ladle).                             | 1 |
| „ 1367 | Ruler.                                                               | 1 | „ 1384 | <i>Hera</i> (a kind of spatula).                    | 1 |
| „ 1368 | <i>Suzuri-bako</i> (box in which writing utensils are kept).         | 1 | „ 1385 | Geometrical figures.                                | 6 |
| „ 1369 | Book holder.                                                         | 1 | „ 1386 | Square pillar.                                      | 1 |
| „ 1370 | Box.                                                                 | 2 | „ 1387 | (Withdrawn).                                        |   |
| „ 1371 | <i>Tabako-bon</i> (box in which smoking utensils are kept).          | 1 | „ 1388 | <i>Hashi</i> (chopsticks).                          | 1 |
| „ 1372 | <i>Manaita</i> (board for cutting and cleansing culinary materials). | 1 | „ 1389 | <i>Uwo-gushi</i> (skewer for roasting fish).        | 1 |
| „ 1373 | <i>Kendai</i> (book-rest).                                           | 1 | „ 1390 | Compass.                                            | 1 |
| „ 1374 | <i>Tokuri-no-hakama</i> (shallow box in which a bottle is placed).   | 1 | „ 1391 | <i>Hai-kaki</i> (instrument for leveling ashes).    | 1 |
| „ 1375 | <i>Odamaki</i> (frame for                                            |   | „ 1392 | Spoon.                                              | 1 |
|        |                                                                      |   | „ 1393 | (Withdrawn).                                        |   |
|        |                                                                      |   | „ 1394 | <i>Nori-ita</i> (board for making paste on).        | 1 |
|        |                                                                      |   | „ 1395 | Ruler.                                              | 1 |
|        |                                                                      |   | „ 1396 | <i>Hagoita</i> (battle-door).                       | 1 |
|        |                                                                      |   | „ 1397 | Box for keeping chalk.                              | 1 |
|        |                                                                      |   | „ 1398 | <i>Suzuri-bako</i> (box in                          |   |

|        |                                                                        |   |        |                                                                               |   |
|--------|------------------------------------------------------------------------|---|--------|-------------------------------------------------------------------------------|---|
|        | which writing<br>utensils are kept).                                   | 1 |        | wood).                                                                        | 4 |
| B 1399 | <i>Hibachi</i> (box for<br>keeping fire for<br>warming pur-<br>poses). | 1 | B 1415 | <i>Magonote</i> (piece of<br>bamboo used for<br>scratching the<br>back with). | 1 |
| „ 1400 | <i>Chiri-tori</i> (a kind of<br>dust pan).                             | 1 | „ 1416 | <i>Monosashi</i> (measure).                                                   | 1 |
| „ 1401 | <i>Mugiwara-sanada</i><br>(piece of knitted<br>straw).                 | 1 | „ 1417 | <i>Hai-uchi</i> (fly-beater).                                                 | 1 |
| „ 1402 | <i>Zōri</i> (straw sandals).                                           | 3 | „ 1418 | Bow and arrows.                                                               | 1 |
| „ 1403 | <i>Fude-dzutsu</i> (box for<br>resting writing<br>brushes).            | 1 | „ 1419 | <i>Do</i> (a kind of bow).                                                    | 1 |
| „ 1404 | <i>Chashi</i> (one of the<br>instruments for<br>preparing tea.)        | 3 | „ 1420 | <i>Mame-deppō</i> (toy gun<br>with pea balls).                                | 1 |
| „ 1405 | <i>Suzuri-bako</i> (box in<br>which writing<br>utensils are kept).     | 1 | „ 1421 | <i>Itomaki</i> (thread<br>spool).                                             | 2 |
| „ 1406 | <i>Chiritori</i> (a kind of<br>of dust pan).                           | 1 | „ 1422 | <i>Take-goma</i> (bamboo<br>top).                                             | 1 |
| „ 1407 | Piece of wood for<br>supporting table.                                 | 3 | „ 1423 | <i>Hera</i> (a kind of<br>spatula).                                           | 6 |
| „ 1408 | <i>Tsukagi-bako</i> (box<br>for keeping Ja-<br>panese matches).        | 1 | „ 1424 | <i>Amibari</i> (needle for<br>knitting).                                      | 2 |
| „ 1409 | <i>Kama-shiki</i> (kettle<br>stand).                                   | 1 | „ 1425 | <i>Take-tombo</i> (bamboo<br>dragon-fly).                                     | 1 |
| „ 1410 | <i>Bōkake</i> (hat-rack).                                              | 1 | „ 1426 | Lamp-suspender.                                                               | 1 |
| „ 1411 | Piece of bamboo<br>projecting from a<br>hat-rack.                      | 1 | „ 1427 | Stand for box in<br>which boiled rice<br>is kept.                             | 1 |
| „ 1412 | <i>Yōji-ire</i> (tooth-pick<br>holder).                                | 2 | „ 1428 | <i>Emon-kake</i> (frame<br>for hanging gar-<br>ments).                        | 3 |
| „ 1413 | Block.                                                                 | 2 | „ 1429 | <i>Chahishaku</i> (tea-<br>ladle).                                            | 3 |
| „ 1414 | <i>Sashigi</i> (jointed                                                |   | „ 1430 | <i>Hishaku</i> (a kind of<br>ladle).                                          | 1 |
|        |                                                                        |   | „ 1431 | <i>Nikugushi</i> (skewer<br>for roasting flesh.)                              | 2 |
|        |                                                                        |   | „ 1432 | <i>Dobin-shiki</i> (tea-pot<br>stand).                                        | 2 |
|        |                                                                        |   | „ 1433 | <i>Yōji-ire</i> (tooth-pick<br>holder).                                       | 1 |

|        |                                                                         |   |        |                                                                                 |   |
|--------|-------------------------------------------------------------------------|---|--------|---------------------------------------------------------------------------------|---|
| B 1434 | <i>Tokuri-no-hakama</i><br>(shallow box in which a bottle is placed).   | 2 | B 1450 | Ruler.                                                                          | 1 |
| „ 1435 | <i>Chashi</i> (one of the instruments used for preparing tea).          | 1 | „ 1451 | <i>Shokudai</i> (candle-stick).                                                 | 1 |
| „ 1436 | <i>Menrui-age</i> (piece of bamboo for dipping boiled buckwheat, etc.). | 1 | „ 1452 | <i>Uchiwa-kake</i> (piece of bamboo for the insertion of round fans).           | 1 |
| „ 1437 | <i>Hashi-ire</i> (box for keeping chopsticks).                          | 2 | „ 1453 | Newspaper holder.                                                               | 2 |
| „ 1438 | Various kinds of <i>hashi</i> (chopsticks).                             | 6 | „ 1454 | <i>Cha-zutsu</i> (tea box).                                                     | 1 |
| „ 1439 | Various kinds of sticks.                                                | 3 | „ 1455 | <i>Hagaki-ire</i> (box for keeping postal cards).                               | 1 |
| „ 1440 | Various kinds of <i>kushi</i> (skewers).                                | 6 | „ 1456 | Photograph holder.                                                              | 1 |
| „ 1441 | <i>Jōsashi</i> (letter-holder).                                         | 1 | „ 1457 | <i>Tanzaku-hasami</i><br>(holder of paper on which Japanese poetry is written). | 1 |
| „ 1442 | Visiting card holder.                                                   | 1 | „ 1458 | <i>Teshoku</i> (hand lamp).                                                     | 1 |
| „ 1443 | Frame for resting Indian-ink.                                           | 2 | „ 1459 | Bamboo frame for fan.                                                           | 1 |
| „ 1444 | Indian-ink holder.                                                      | 1 | „ 1460 | <i>Hainarashi</i> (instrument for leveling ashes).                              | 2 |
| „ 1445 | Frame for resting writing brushes.                                      | 1 | „ 1461 | <i>Bōshikake</i> (hat-rack).                                                    | 2 |
| „ 1446 | Ink-stone screen.                                                       | 1 | „ 1462 | <i>Mukidai</i> (a kind of stand).                                               | 1 |
| „ 1447 | Box for resting writing brushes.                                        | 2 | „ 1463 | <i>Tenugui-kake</i> (frame for hanging towels, towel horse).                    | 2 |
| „ 1448 | <i>Kiseru-zutsu</i> (box used for the smoking pipe).                    | 1 | „ 1464 | <i>Tombo</i> (bamboo dragon-fly).                                               | 2 |
| „ 1449 | Compass.                                                                | 1 | „ 1465 | <i>Take-uma</i> (bamboo horse, a kind of stilts used by boys).                  | 1 |
|        |                                                                         |   | „ 1466 | <i>Hashi</i> (chopsticks).                                                      | 2 |

|        |                                                                                                                         |   |        |                                                      |   |
|--------|-------------------------------------------------------------------------------------------------------------------------|---|--------|------------------------------------------------------|---|
| B 1467 | <i>Uwo-gushi</i> (skewer<br>for roasting fish.)                                                                         | 1 | B 1488 | Octangle.                                            | 1 |
| „ 1468 | <i>Shōsetsu-goma</i> (top).                                                                                             | 1 | „ 1489 | Ruler.                                               | 1 |
| „ 1469 | <i>Hera</i> (a kind of<br>spatula).                                                                                     | 1 | „ 1490 | Box for keeping<br>seeds.                            | 1 |
| „ 1470 | <i>Tsuye</i> (cane).                                                                                                    | 2 | „ 1491 | Post box.                                            | 1 |
| „ 1471 | <i>Hishaku</i> (a kind<br>of ladle).                                                                                    | 1 | „ 1492 | Ruler.                                               | 2 |
| „ 1472 | <i>Mizuire</i> (water-pot).                                                                                             | 1 | „ 1493 | Hexagonal pillar.                                    | 1 |
| „ 1473 | <i>Mikuji-zutsu</i> (box<br>for keeping the<br>divining sticks<br>used in temples<br>to learn the mind<br>of the gods). | 1 | „ 1494 | <i>Hane</i> (shuttlecock).                           | 2 |
| „ 1474 | <i>Fude-tate</i> (box for<br>resting writing-<br>brushes).                                                              | 1 | „ 1495 | <i>Jōbukuro</i> (enve-<br>lope).                     | 2 |
| „ 1475 | Compass.                                                                                                                | 1 | „ 1496 | <i>Techō</i> (note book).                            | 1 |
| „ 1476 | <i>Sumi-hasami</i> (In-<br>dian-ink holder).                                                                            | 1 | „ 1497 | Square pillar.                                       | 1 |
| „ 1477 | <i>Saji</i> (spoon).                                                                                                    | 1 | „ 1498 | Triangular pillar.                                   | 1 |
| „ 1478 | Shoe-rubber.                                                                                                            | 1 | „ 1499 | Box.                                                 | 1 |
| „ 1479 | <i>Muchi-goma</i> (top).                                                                                                | 1 | „ 1500 | Cut crest.                                           | 1 |
| „ 1480 | <i>Dobin-dai</i> (tea-ket-<br>tle stand).                                                                               | 1 | „ 1501 | Geometrical figure.                                  | 1 |
| „ 1481 | <i>Chawan-futa</i> (cover<br>of tea-cup).                                                                               | 1 | „ 1502 | ditto                                                | 1 |
| „ 1482 | <i>Kamiori-zaiku</i> (paper<br>folding).                                                                                | 7 | „ 1503 | ditto                                                | 1 |
| „ 1483 | <i>Honbasami</i> (book<br>holder).                                                                                      | 1 | „ 1504 | Mill for grinding<br>rice.                           | 1 |
| „ 1484 | <i>Nori-ita</i> (board for<br>making paste on).                                                                         | 1 | „ 1505 | <i>Anka</i> (small fire box).                        | 1 |
| „ 1485 | <i>Harisashi</i> (needle<br>holder).                                                                                    | 1 | „ 1506 | <i>Tako</i> (kite).                                  | 1 |
| „ 1486 | Triangle.                                                                                                               | 1 | „ 1507 | Board on which<br>drawing is done.                   | 3 |
| „ 1487 | Square.                                                                                                                 | 1 | „ 1508 | <i>Kwashi-bon</i> (tray<br>for putting cakes<br>on). | 1 |
|        |                                                                                                                         |   | „ 1509 | <i>Chabon</i> (tea-tray).                            | 1 |
|        |                                                                                                                         |   | „ 1510 | <i>Bon</i> (tray).                                   | 1 |
|        |                                                                                                                         |   | „ 1511 | <i>Chabon</i> (tea-tray).                            | 1 |
|        |                                                                                                                         |   | „ 1512 | <i>Kwashi-ire</i> (box for<br>putting cakes in).     | 1 |
|        |                                                                                                                         |   | „ 1513 | <i>Chabon</i> (tea-tray).                            | 1 |
|        |                                                                                                                         |   | „ 1514 | <i>Kwashi-ire</i> (box<br>for putting cakes<br>in).  | 1 |
|        |                                                                                                                         |   | „ 1515 | <i>Chabon</i> (tea-tray).                            | 1 |
|        |                                                                                                                         |   | „ 1516 | ditto                                                | 1 |



|         |                                                                |       |         |                                                      |        |
|---------|----------------------------------------------------------------|-------|---------|------------------------------------------------------|--------|
| B 1517  | <i>Chabon</i> (tea-tray).                                      | 1     | B 1536  | Apparatus for instruction in the                     |        |
| „ 1518  | <i>Kwashi-ire</i> (box for putting cakes in).                  | 1     |         | upper beads.                                         | 1      |
| „ 1519  | <i>Chabon</i> (tea-tray).                                      | 1     | „ 1537  | Apparatus for instruction in the                     |        |
| „ 1520  | <i>Kwashi-ire</i> (box for putting cakes in).                  | 1     |         | lower beads.                                         | 1      |
| „ 1521  | ditto                                                          | 1     | „ 1538  | Large abacus for use in the school room.             | 1      |
| „ 1522  | <i>Chabon</i> (tea-tray).                                      | 1     | „ 1539  | Apparatus for the computation of numbers.            | 1      |
| „ 1523  | <i>Bon</i> (tray).                                             | 1     | „ 1540  | Black-board.                                         | 1      |
| „ 1524  | <i>Kwashi-ire</i> (box for putting cakes in).                  | 1     | „ 1541  | (Withdrawn).                                         |        |
| „ 1525- | (Withdrawn).                                                   |       | „ 1542  | Chart relating to morals.                            | 5      |
| „ 1526  |                                                                |       | „ 1543  | (Withdrawn).                                         |        |
| „ 1527  | <i>Zōri</i> (straw sandals).                                   | 2     | „ 1544  | Apparatus for teaching arithmetic.                   | 1      |
| „ 1528  | <i>Subo-hōki</i> (a kind of broom).                            | 1     | „ 1545  | Weights, measures, and coins.                        | 5      |
| „ 1529  | (Withdrawn).                                                   |       | „ 1546  | Small abacus.                                        | 1      |
|         | <b>APPARATUS OF TEACHING.</b>                                  |       | „ 1547  | Paper slate.                                         | 1      |
| „ 1530  | Apparatus for easy experiments in Physics.                     | 1 set | „ 1548  | Writing brush, Indian-ink, ink-stone, and copy book. | 12     |
| „ 1531  | Apparatus for the computation of numbers.                      | 1     | „ 1549- | (Withdrawn).                                         |        |
| „ 1532  | Chart for instruction in sewing.                               | 1     | „ 1550  |                                                      |        |
| „ 1533  | Chart for instruction in abacus arithmetic.                    | 1     | „ 1551  | Models of desk and chair for pupil's use.            | 2      |
| „ 1534  | Apparatus for the computation of numbers.                      | 2     | „ 1552  | (Withdrawn).                                         |        |
| „ 1535  | Apparatus for explaining the value of each bead in the abacus. | 1     | „ 1553  | Apparatus for teaching object lessons.               | 1 case |
|         |                                                                |       | „ 1554- | (Withdrawn).                                         |        |
|         |                                                                |       | „ 1555  |                                                      |        |



|        |                                                      |   |        |                                   |   |
|--------|------------------------------------------------------|---|--------|-----------------------------------|---|
| B 1556 | Apparatus for instruction in the Japanese syllabary. | 1 | B 1558 | (Withdrawn).                      | 1 |
| „ 1557 | Apparatus for instruction in frac-                   | 1 | „ 1559 | Chart showing grammatical errors. | 1 |

GROUP 149. CLASS 843.

KYŌRITSU JOSHI SHOKUGYŌGAKKŌ.

(Private Female Industrial School.)

| WORK BY PUPILS. |    |                                                                   | C |      |                                                                  |   |
|-----------------|----|-------------------------------------------------------------------|---|------|------------------------------------------------------------------|---|
| C               | 1  | Embroidered <i>tsui-tate</i> (screen of one leaf set in a frame). | 1 | 15   | Artificial flower ( <i>kirishima</i> , a species of red azalea). | 1 |
| „               | 2  | ditto                                                             | 1 | „ 16 | Ditto ( <i>nanten</i> , <i>Nandina domestica</i> ).              | 1 |
| „               | 3  | Embroidered chair-cloth.                                          | 1 | „ 17 | Ditto ( <i>sakura</i> , cherry blossoms).                        | 1 |
| „               | 4  | ditto                                                             | 1 | „ 18 | Ditto ( <i>bara</i> , rose).                                     | 1 |
| „               | 5  | ditto                                                             | 1 | „ 19 | Ditto <i>jinchōke</i> , <i>Daphne odora</i> ).                   | 1 |
| „               | 6  | ditto                                                             | 1 | „ 20 | Ditto ( <i>Yukinoshita</i> , <i>Saxifraga sarmentosa</i> ).      | 1 |
| „               | 7  | ditto                                                             | 1 | „ 21 | Ditto ( <i>ito-giku</i> , a species of chrysanthemum).           | 1 |
| „               | 8  | ditto                                                             | 1 | „ 22 | Ditto ( <i>akigiku</i> , a species of chrysanthemum).            | 1 |
| „               | 9  | Handkerchiefs.                                                    | 6 |      |                                                                  |   |
| „               | 10 | ditto                                                             | 6 |      |                                                                  |   |
| „               | 11 | ditto                                                             | 6 |      |                                                                  |   |
| „               | 12 | ditto                                                             | 6 |      |                                                                  |   |
| „               | 13 | Artificial flower (plum blossoms).                                | 1 |      |                                                                  |   |
| „               | 14 | ditto ( <i>kaidō</i> , <i>Pyrus spectabilis</i> ).                | 1 |      |                                                                  |   |

|   |    |                                                                     |   |   |    |                                        |        |
|---|----|---------------------------------------------------------------------|---|---|----|----------------------------------------|--------|
| C | 23 | Artificial flower<br>( <i>tsubaki</i> , <i>Camellia japonica</i> ). | 1 | C | 41 | Drawing (fan that<br>opens and shuts). | 1      |
| „ | 24 | Ditto ( <i>botan</i> , <i>Peonia Moutan</i> ).                      | 1 | „ | 42 | Ditto (ditto)                          | 1      |
| „ | 25 | Ditto ( <i>kogiku</i> , a species of chrysanthemum).                | 1 | „ | 43 | Ditto (ditto)                          | 1      |
| „ | 26 | Ditto ( <i>sakura</i> , <i>Prunus pseudo-cerasus</i> ).             | 1 | „ | 44 | Ditto (photograph holder).             | 1      |
| „ | 27 | Ditto ( <i>sumire</i> , violet).                                    | 1 | „ | 45 | Ditto (ditto)                          | 1      |
| „ | 28 | Ditto ( <i>momiji</i> , maple).                                     | 1 | „ | 46 | Ditto (ditto)                          | 1      |
| „ | 29 | Drawing (tablet).                                                   | 1 | „ | 47 | Ditto (ditto)                          | 1      |
| „ | 30 | Ditto                                                               | 1 | „ | 48 | Ditto (ditto)                          | 1      |
| „ | 31 | Ditto (volume).                                                     | 1 | „ | 49 | Ditto (ditto)                          | 1      |
| „ | 32 | Ditto (round fan).                                                  | 1 | „ | 50 | Ditto (handkerchief).                  | 12     |
| „ | 33 | Ditto (ditto)                                                       | 1 | „ | 51 | Model of gentleman's dress.            | 1 set. |
| „ | 34 | Ditto (ditto)                                                       | 1 | „ | 52 | Model of lady's dress.                 | 1 „    |
| „ | 35 | Ditto (ditto)                                                       | 1 | „ | 53 | Model of young unmarried lady's dress. | 1 „    |
| „ | 36 | Ditto (ditto)                                                       | 1 | „ | 54 | Model of girl's dress.                 | 1 „    |
| „ | 37 | Ditto (ditto)                                                       | 1 | „ | 55 | Model of child's winter dress.         | 1 „    |
| „ | 38 | Ditto (fan that<br>opens and shuts).                                | 1 | „ | 56 | Model of merchant's summer dress.      | 1 „    |
| „ | 39 | Ditto (ditto)                                                       | 1 | „ | 57 | Model of farmer's dress.               | 1 „    |
| „ | 40 | Ditto (ditto)                                                       | 1 |   |    |                                        |        |



# IWATE JOGAKKŌ.

(Private Female School in the Prefecture of Iwate.)

| WORK BY PUPILS. |    |                                                               |   |   |    |                                                       |   |
|-----------------|----|---------------------------------------------------------------|---|---|----|-------------------------------------------------------|---|
| C               | 58 | Artificial flower<br>( <i>bara</i> , rose).                   | 1 |   |    | for resting el-<br>bow).                              | 1 |
| „               | 59 | Ditto ( <i>itogiku</i> , a<br>species of chry-<br>santhemum). | 1 | C | 69 | Hand bag.                                             | 1 |
| „               | 60 | Ditto ( <i>sakura</i> , cher-<br>ry blossoms).                | 1 | „ | 70 | <i>Yodare-kake</i> (bib).                             | 1 |
| „               | 61 | Ditto ( <i>bara</i> , rose).                                  | 1 | „ | 71 | <i>Kinchaku</i> (purse).                              | 1 |
| „               | 62 | Ditto ( <i>kiku</i> , chrysan-<br>themum).                    | 1 | „ | 72 | Cushion for lamp.                                     | 1 |
| „               | 63 | Ditto ( <i>sakura</i> , cherry<br>blossoms).                  | 1 | „ | 73 | Model of <i>haori</i><br>(coat) for ladies.           | 1 |
| „               | 64 | Cushion for lamp.                                             | 1 | „ | 74 | <i>Hakama</i> (a kind<br>of trousers) for<br>ladies.  | 1 |
| „               | 65 | ditto                                                         | 1 | „ | 75 | <i>Hakama</i> (a kind<br>of trousers).                | 1 |
| „               | 66 | <i>Tabi</i> (socks for<br>children).                          | 1 | „ | 76 | <i>Awase</i> (lined gar-<br>ment) for gentle-<br>men. | 1 |
| „               | 67 | <i>Bōshi</i> (cap for child-<br>ren).                         | 1 | „ | 77 | <i>Hitoze</i> (summer<br>coat) for ladies.            | 1 |
| „               | 68 | <i>Hiji-buton</i> (cushion                                    | 1 | „ | 78 | <i>Wataire</i> (padded<br>garment) for girls.         | 1 |

# SHŌKĒ JOGAKKŌ.

(Private Female School in the Prefecture of Kumamoto.)

|   |    |                                    |   |   |    |                             |   |
|---|----|------------------------------------|---|---|----|-----------------------------|---|
| C | 79 | Photograph of pu-<br>pils at work. | 1 | C | 80 | Raw silk made by<br>pupils. | 1 |
|---|----|------------------------------------|---|---|----|-----------------------------|---|



|   |                 |                            |    |   |    |                            |   |
|---|-----------------|----------------------------|----|---|----|----------------------------|---|
| D | 36              | Engraving.                 | 1  | D | 49 | <i>Yodare-kake</i> (bib).  | 2 |
| „ | 37              | ditto                      | 1  | „ | 50 | <i>Harakake</i> (cloth     |   |
| „ | 38              | ditto                      | 1  |   |    | covering tied over         |   |
| „ | 39 <sup>a</sup> | Joinery.                   | 10 |   |    | the chest and              |   |
| „ | 39 <sup>b</sup> | ditto                      | 2  |   |    | abdomen).                  | 1 |
| „ | 40              | ditto                      | 20 | „ | 51 | Cap.                       | 1 |
| „ | 41              | <i>Juban</i> (under-gar-   |    | „ | 52 | Shawl.                     | 1 |
|   |                 | ment).                     | 1  | „ | 53 | <i>Yodare-kake</i> (bib).  | 1 |
| „ | 42              | <i>Shitagi</i> (under-gar- | 1  | „ | 54 | Gloves.                    | 1 |
|   |                 | ment).                     |    | „ | 55 | <i>Dōgi</i> (short under-  |   |
| „ | 43              | <i>Wataire</i> (padded     | 1  |   |    | garment for gen-           |   |
|   |                 | garment).                  |    |   |    | tlemen).                   |   |
| „ | 44              | <i>Hitoje</i> (summer      | 1  | „ | 56 | Stockings.                 | 1 |
|   |                 | garment).                  |    | „ | 57 | Cushion for flower-        |   |
| „ | 45              | <i>Obi</i> (belt).         | 1  |   |    | vase.                      | 1 |
| „ | 46              | <i>Haori</i> (coat).       | 1  | „ | 58 | Doll.                      | 1 |
| „ | 47              | <i>Hakama</i> (a kind of   | 1  | „ | 59 | <i>Kinchaku</i> (purse for | 1 |
|   |                 | trousers).                 |    |   |    | children).                 |   |
| „ | 48              | <i>Tabi</i> (socks).       | 1  | „ | 60 | Bag for luncheon           | 1 |
|   |                 |                            |    |   |    | box.                       |   |

## KYŌTO MŌ-A IN.

(*Blind and Dumb Institute in the City of Kyōto.*)

|   |    |                     |   |
|---|----|---------------------|---|
| D | 61 | Drawing by pupils.  | 2 |
| „ | 62 | ditto               | 3 |
| „ | 63 | ditto               | 1 |
| „ | 64 | Gold and silver     |   |
|   |    | needles for acu-    |   |
|   |    | puncture, and       |   |
|   |    | drawings of the     |   |
|   |    | practice of acu-    |   |
|   |    | puncture and        |   |
|   |    | music (one tablet). | 1 |

Acupuncture is the art of curing nervous diseases by introducing needles specially made for the purpose into the tissues. As a profession it is almost monopolized by the blind. The gold and silver needles exhibited are those in practical use.

|   |    |                          |   |   |    |                            |   |
|---|----|--------------------------|---|---|----|----------------------------|---|
| D | 65 | Embroidery by pupils.    | 2 | D | 67 | Calendar of the institute. | 1 |
| „ | 66 | Treatise on acupuncture. | 1 |   |    |                            |   |



### GROUP 149. CLASS 851.

## ORDINARY MIDDLE SCHOOLS.

|   |    |                                           |  |   |    |                                                                                 |   |
|---|----|-------------------------------------------|--|---|----|---------------------------------------------------------------------------------|---|
| E | 1  | Photograph of school buildings. 1 tablet. |  |   |    | sites of various schools in Japan.                                              | 1 |
|   |    | <b>WORK BY PUPILS.</b>                    |  | E | 17 | Map of Japan.                                                                   | 1 |
| „ | 2  | Examination papers. 10                    |  | „ | 18 | ditto                                                                           | 1 |
| „ | 3  | ditto 20                                  |  | „ | 19 | Map of the World.                                                               | 1 |
| „ | 4  | ditto 13                                  |  | „ | 20 | Map of Japan.                                                                   | 1 |
| „ | 5  | ditto 5                                   |  | „ | 21 | Map of Japan.                                                                   | 2 |
| „ | 6  | ditto 4                                   |  | „ | 22 | Map of the World.                                                               | 2 |
| „ | 7  | ditto 5                                   |  |   |    | <b>TEXT-BOOKS.</b>                                                              |   |
| „ | 8  | ditto 16                                  |  | „ | 23 | “Rongo” (Chinese classics). 4 vols.                                             |   |
| „ | 9  | ditto 1                                   |  | „ | 24 | “Dai-gaku” (ditto). 1 vol.                                                      |   |
| „ | 10 | Brush drawing. 1                          |  | „ | 25 | “Chūyō” (ditto). 1 „                                                            |   |
| „ | 11 | ditto 1 volume                            |  | „ | 26 | “Nichiyō Bunkan” (a kind of letter-writer), by Konakamura and Nakamura. 2 vols. |   |
|   |    | <b>DRAWING BY PUPILS.</b>                 |  |   |    |                                                                                 |   |
| „ | 12 | Pencil drawing. 2                         |  | „ | 27 | “Nihon-bun-san” (Guide to the Japanese Language), by K. Kume. 3 „               |   |
| „ | 13 | ditto 1                                   |  |   |    |                                                                                 |   |
| „ | 14 | Instrumental drawing. 1                   |  |   |    |                                                                                 |   |
| „ | 15 | ditto 2                                   |  |   |    |                                                                                 |   |
| „ | 16 | Map showing the                           |  |   |    |                                                                                 |   |

|    |    |                                                                                                          |    |    |                                                                          |
|----|----|----------------------------------------------------------------------------------------------------------|----|----|--------------------------------------------------------------------------|
| E  | 28 | "Wabun Kihan" (a work relating to Japanese Literature), by G. Satomi. 4 vols.                            | E  | 38 | Smith's Algebra, translated by B. Sakuma. 2 vols.                        |
| ,, | 29 | "Jūhasshiryaku" (a kind of Chinese History). 7 "                                                         | ,, | 39 | "Heimen Kikagaku" (Plane Geometry), by Dr. D. Kikuchi. 1 vol.            |
| ,, | 30 | "Sei Bunshō Kihan" (a work relating to Chinese Literature). 3 "                                          | ,, | 40 | "Rittai Kikagaku" (Solid Geometry), by Dr. D. Kikuchi. 1 "               |
| ,, | 31 | "Hachidaikabun" (Selection of Chinese Masterpieces). 16 "                                                | ,, | 41 | "Futsū Shokubutsugaku Kyōkwasho" (Elementary Botany), by M. Miyoshi. 1 " |
| ,, | 32 | "Mōshi" (Chinese Classics). 4 "                                                                          | ,, | 42 | "Kōbutsugaku" (Mineralogy), by the Keigyōsha. 1 "                        |
| ,, | 33 | "Junshi" (Chinese Classics). 2 "                                                                         | ,, | 43 | "Futsū Dōbutsugaku Kyōkwasho" (Elementary Zoology), by K. Iijima. 1 "    |
| ,, | 34 | "Chiri-kyōkwasho" (Geography). 2 "                                                                       | ,, | 44 | "Futsū Seirigaku Kyōkwasho" (Elementary Physiology), by M. Katayama. 1 " |
| ,, | 35 | "Nihon Bunmei Shiryaku" (History of Japanese Civilisation), compiled in the Department of Education. 4 " | ,, | 45 | "Butsurigaku Kyōkwasho" (Physics), by K. Kikuchi. 2 vols.                |
| ,, | 36 | "Nihon Shikō (Japanese History), by S. Saga. 2 "                                                         | ,, | 46 | Remsen's Chemistry, translated by Kuhara and Orita. 2 "                  |
| ,, | 37 | "Sanjutsu Chūtō Kyōkwasho" (Arithmetic intended for Middle Class Education) by K. Nagasawa. 3 "          |    |    |                                                                          |



|   |       |                                                                                       |   |    |                                           |         |
|---|-------|---------------------------------------------------------------------------------------|---|----|-------------------------------------------|---------|
| E | 47    | "Kai-gyo-sō" (Copy-book), by Ryōko. 3 vols.                                           | „ | 63 | Plan of school buildings.                 | 1       |
| „ | 48    | "Shōgaku Shūgachō" (Elementary Drawing), compiled by the Department of Education. 8 „ | „ | 64 | ditto                                     | 1       |
| „ | 49    | "Yōki-gakō" (Mechanical Drawing), by S. Hirose. 6 „                                   | „ | 65 | ditto                                     | 1       |
| „ | 50    | English Reader, by J. Inouye. 3 „                                                     | „ | 66 | ditto                                     | 1       |
| „ | 51    | Illustrious Men, by J. Sugiura. 1 „                                                   |   |    | <b>WORK BY PUPILS.</b>                    |         |
| „ | 52    | Catalogue of textbooks. 1                                                             | „ | 67 | Pencil Drawing. 4 vols.                   |         |
| „ | 53-58 | (Withdrawn).                                                                          | „ | 68 | ditto                                     | 4 „     |
| „ |       |                                                                                       | „ | 69 | ditto                                     | 1 vol.  |
| „ | 59    | Photograph of school buildings. 1                                                     | „ | 70 | ditto                                     | 2 vols. |
| „ | 60    | ditto 2                                                                               | „ | 71 | ditto                                     | 2 „     |
| „ | 61    | ditto 1                                                                               | „ | 72 | ditto                                     | 1 vol.  |
| „ | 62    | ditto 1                                                                               | „ | 73 | ditto                                     | 7 vols. |
|   |       |                                                                                       | E | 74 | Pencil Drawing. 2 vols.                   |         |
|   |       |                                                                                       | „ | 75 | ditto                                     | 2 „     |
|   |       |                                                                                       | „ | 76 | ditto                                     | 1 vol.  |
|   |       |                                                                                       | „ | 77 | ditto                                     | 3 vols. |
|   |       |                                                                                       | „ | 78 | ditto                                     | 1 vol.  |
|   |       |                                                                                       | „ | 79 | ditto                                     | 1 „     |
|   |       |                                                                                       | „ | 80 | ditto                                     | 1 „     |
|   |       |                                                                                       |   |    | <b>MATTERS FOR REFERENCE IN TEACHING.</b> |         |
|   |       |                                                                                       | „ | 81 | Drawing of archæological specimens. 4     |         |

## FEMALE SCHOOLS.

|   |    |                                   |   |    |                                  |         |
|---|----|-----------------------------------|---|----|----------------------------------|---------|
| „ | 82 | Photograph of school buildings. 1 | „ | 85 | ditto                            | 2 vols. |
|   |    |                                   | „ | 86 | ditto                            | 4 „     |
|   |    |                                   |   |    | <b>WORK BY PUPILS.</b>           |         |
| „ | 83 | Brush Drawing 6 tablets           |   |    | English Composition and Writing. |         |
| „ | 84 | ditto 7 „                         | „ | 87 | ting. 1 vol.                     |         |

| SEWING BY PUPILS. |     |                                                            |   |   |     |                                                                    |   |
|-------------------|-----|------------------------------------------------------------|---|---|-----|--------------------------------------------------------------------|---|
|                   |     |                                                            |   | „ | 101 | <i>Awase</i> (lined garment).                                      | 2 |
| „                 | 88  | Model of <i>juban</i> (under-garment) for gentlemen.       | 1 | „ | 102 | <i>Wataire</i> (padded garment.)                                   | 1 |
| „                 | 89  | Model of <i>juban</i> (under-garment) for ladies.          | 2 | „ | 103 | <i>Kosode</i> (padded silk garment) for ladies.                    | 1 |
| „                 | 90  | Model of <i>hitoye</i> (summer garment) for ladies.        | 5 | „ | 104 | <i>Moyō-kosode</i> (padded silk garment with embroidered figures). | 1 |
| „                 | 91  | Model of <i>awase</i> (lined garment) for ladies.          | 1 | „ | 105 | <i>Kosode</i> (padded silk garment) for gentlemen.                 | 1 |
| E                 | 92  | Model of <i>awase</i> (lined garment) for gentlemen.       | 1 | E | 106 | <i>Natsu-baori</i> (summer coat) for gentlemen.                    | 1 |
| „                 | 93  | Model of <i>wataire</i> (padded garment) for children.     | 1 | „ | 107 | <i>Wataire-baori</i> (padded coat) for gentlemen.                  | 1 |
| „                 | 94  | Model of <i>wataire</i> (padded garment) for children.     | 2 | „ | 108 | <i>Awase-baori</i> (lined coat) for ladies.                        | 1 |
| „                 | 95  | Model of <i>wataire</i> (padded garment) for children.     | 2 | „ | 109 | ditto                                                              | 1 |
| „                 | 96  | <i>Hifu</i> (a kind of coat).                              | 2 | „ | 110 | <i>Wataire-maru-dōgi</i> (padded under-garment without sleeves).   | 1 |
| „                 | 97  | Model of <i>hakama</i> (a kind of trousers) for gentlemen. | 1 | „ | 111 | <i>Awase-bakama</i> (a kind of lined trousers) for children.       | 1 |
| „                 | 98  | Model of <i>hakama</i> (a kind of trousers) for ladies.    | 1 | „ | 112 | <i>Hitoye-bakama</i> (a kind of summer trousers).                  | 1 |
| „                 | 99  | <i>Katabira</i> (thinnest summer garment).                 | 1 | „ | 113 | <i>Obi</i> (belt) for gentlemen.                                   | 1 |
| „                 | 100 | <i>Hitoye</i> (summer garment).                            | 1 | „ | 114 | <i>Obi</i> (belt) for ladies.                                      | 1 |
|                   |     |                                                            |   | „ | 115 | ditto                                                              | 1 |

## FEMALE SCHOOLS.

|       |                                                      |   |
|-------|------------------------------------------------------|---|
| E 116 | Under-garment for children.                          | 1 |
| „ 117 | Shirt and trousers.                                  | 1 |
| „ 118 | European garment for children.                       | 1 |
| „ 119 | <i>Han-momohiki</i> (short trousers).                | 1 |
| „ 120 | <i>Tabi</i> (socks).                                 | 1 |
| „ 121 | <i>Nukabukuro</i> (bag for rice-bran, used as soap). | 6 |
| „ 122 | <i>Zokin</i> (house-cloth).                          | 6 |
| „ 123 | <i>Zukin</i> (hood).                                 | 2 |
| „ 124 | <i>Hitoje</i> (summer garment) for children.         | 1 |
| „ 125 | <i>Hitoje</i> (summer garment) for ladies.           | 1 |
| „ 126 | <i>Awase</i> (lined garment) for children.           | 1 |
| „ 127 | <i>Awase</i> (lined garment) for ladies.             | 1 |
| „ 128 | <i>Wataire</i> (padded garment).                     | 5 |
| „ 129 | <i>Hitoje-haori</i> (summer coat) for gentlemen.     | 1 |
| „ 130 | <i>Awase-haori</i> (lined coat) for children.        | 1 |
| „ 131 | ditto                                                | 1 |
| „ 132 | <i>Hifu</i> (a kind of coat).                        | 4 |
| „ 133 | <i>Hakama</i> (a kind of trousers).                  | 2 |
| „ 134 | <i>Momohiki</i> (a kind of pantaloons).              | 1 |
| „ 135 | <i>Tabi</i> (socks).                                 | 1 |
| „ 136 | Model of <i>ubuginu</i>                              |   |

|                      |                                             |    |
|----------------------|---------------------------------------------|----|
|                      | (garment worn by a new born infant). 1 suit |    |
| E 137                | Model of <i>obi</i> (belt) for ladies.      | 1  |
| „ 138                | Woolen cloth.                               | 3  |
| HANDIWORK BY PUPILS. |                                             |    |
| „ 139                | Bag.                                        | 1  |
| „ 140                | Tablet of woolen cloth (ship).              | 1  |
| „ 141                | Muff.                                       | 1  |
| „ 142                | Stockings.                                  | 1  |
| „ 143                | Socks for children.                         | 1  |
| „ 144                | Slippers.                                   | 1  |
| „ 145                | <i>Zukin</i> (hood).                        | 3  |
| „ 146                | Shawl.                                      | 1  |
| „ 147                | <i>Yodare-kake</i> (bib).                   | 3  |
| „ 148                | Cushion for flower-vase.                    | 2  |
| „ 149                | Gloves.                                     | 1  |
| „ 150                | Garment for children.                       | 1  |
| „ 151                | Hand bag.                                   | 2  |
| „ 152                | Small bag.                                  | 1  |
| „ 153                | <i>Fukusa</i> (cloth used for covering).    | 1  |
| „ 154                | <i>Oshiye</i> (raised fancy work).          | 20 |
| „ 155                | Embroidery.                                 | 4  |
| „ 156                | Bag.                                        | 2  |
| „ 157                | Box with raised figures.                    | 1  |
| „ 158                | Photograph holder.                          | 3  |
| „ 159                | <i>Fukusa</i> (cloth used for covering).    | 1  |
| „ 160                | ditto                                       | 1  |
| „ 161                | ditto                                       | 1  |
| „ 162                | <i>Mamori-bukuro</i> (bag of charms).       | 1  |

|       |                                                       |         |       |                                                         |    |
|-------|-------------------------------------------------------|---------|-------|---------------------------------------------------------|----|
| E 163 | <i>Fukusa</i> (cloth used<br>for covering).           | 1       | E 167 | Brush for Drawing.                                      | 4  |
| „ 164 | Woolen work.                                          | 1       | „ 168 | ditto                                                   | 2  |
|       | <b>APPARATUS OF TEACHING.</b>                         |         | „ 169 | Plates for dissolv-<br>ing paint.                       | 2  |
| „ 165 | Pictures illustrating<br>Japanese Etiquet-<br>te, &c. | 1 vol.  | „ 170 | Dish for washing<br>brushes.                            | 1  |
| „ 166 | Copy-book for<br>Drawing.                             | 6 vols. | „ 171 | Paints.                                                 | 10 |
|       |                                                       |         | „ 172 | Instrument for<br><i>oshiye</i> (raised<br>fancy work). | 9  |

## FIRST HIGHER MIDDLE SCHOOL.

|       |                              |         |       |                                                             |   |
|-------|------------------------------|---------|-------|-------------------------------------------------------------|---|
| E 173 | Calendar.                    | 3 vols. | E 176 | Drawing of school<br>buildings.                             | 1 |
| „ 174 | Compositions by<br>pupils.   | 2       | „ 177 | Photograph of in-<br>structors, pupils,<br>and class rooms. | 1 |
| „ 175 | Plan of school<br>buildings. | 1       |       |                                                             |   |

## SECOND HIGHER MIDDLE SCHOOL.

|       |               |         |       |                                    |   |
|-------|---------------|---------|-------|------------------------------------|---|
| E 178 | Calendar.     | 5 vols. | E 181 | Statistical table.                 | 1 |
| „ 179 | Compositions. | 3 „     | „ 182 | Photograph of<br>school buildings. | 4 |
| „ 180 | Drawing.      | 30      |       |                                    |   |

## THIRD HIGHER MIDDLE SCHOOL.

|       |                                           |         |       |                                    |         |
|-------|-------------------------------------------|---------|-------|------------------------------------|---------|
| E 183 | Translation (Japan-<br>ese into English.) | 2 vols. | E 185 | tions.                             | 2 vols. |
| „ 184 | English Composi-                          |         |       | Photograph of<br>school buildings. | 7       |

## FOURTH HIGHER MIDDLE SCHOOL.

|       |                    |        |       |                    |   |
|-------|--------------------|--------|-------|--------------------|---|
| E 186 | Compositions.      | 1 vol. | E 189 | Free-hand drawing. | 1 |
| „ 187 | Examination papers |        | „ 190 | Botanical speci-   |   |
|       | in German.         | 1 „    |       | mens.              | 6 |
| „ 188 | Examination papers |        | „ 191 | Photograph of      |   |
|       | on Mathematics.    | 1 „    |       | school buildings.  | 3 |

## MEDICAL DEPARTMENT OF THE FOURTH HIGHER MIDDLE SCHOOL.

|       |                   |        |        |                    |   |
|-------|-------------------|--------|--------|--------------------|---|
| E 192 | Table showing the |        | E 194a | Drawing of the     |   |
|       | number of pa-     |        |        | Hospital attached  |   |
|       | tients.           |        |        | to the Medical     |   |
| „ 193 | Straw bandage,    |        | „ 194b | Department.        | 2 |
|       | with a book of    |        |        | Instrumental Draw- |   |
|       | explanation in    |        |        | ing.               | 1 |
|       | English.          | 1 case |        |                    |   |

## FIFTH HIGHER MIDDLE SCHOOL.

|       |                             |        |       |                            |         |
|-------|-----------------------------|--------|-------|----------------------------|---------|
| E 195 | <i>Ovi distoma pulmonae</i> |        | E 199 | <i>Embryo hominis.</i>     | 1 case  |
|       | <i>cerebri.</i>             | 1 case | „ 200 | <i>Ovi distoma endemic</i> |         |
| „ 196 | <i>Embryo archylostom</i>   |        |       | <i>hepatici.</i>           | 5 cases |
|       | <i>duodenal.</i>            | 1 „    | „ 201 | Photograph of              |         |
| „ 197 | Preparat of testicle.       | 1 „    |       | school buildings.          | 5       |
| „ 198 | Flatten epithel.            | 1 „    |       |                            |         |

## YAMAGUCHI HIGHER MIDDLE SCHOOL.

|       |                                    |         |       |                                 |        |
|-------|------------------------------------|---------|-------|---------------------------------|--------|
| E 202 | English Compositions.              | 1 vol.  |       | ical Experiments in Physics.    | 1 vol. |
| „ 203 | German Compositions.               | 1 „     | „ 206 | Drawing.                        | 2      |
| „ 204 | Examination papers on Mathematics. | 6 vols. | „ 207 | ditto                           | 7      |
| „ 205 | Report on Pract-                   |         | „ 208 | Calendar.                       | 1      |
|       |                                    |         | „ 209 | Photograph of school buildings. | 1      |



### GROUP 149. CLASS 851.

## IMPERIAL UNIVERSITY. COLLEGE OF ENGINEERING.

|     |                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F 1 | Model of a proposed design for one of the three Pumping Stations of the Tokyo Waterworks.                                                                                                                                                                                                                                                                | 1 | <p>engines.....31.7 cub. ft. per sec.</p> <p>Head pumped against different at each station, from 75 ft. to 116 ft.</p> <p>(Design could be easily modified to tri-compound, if preferred).</p> <p>The engines are of vertical marine type acting directly on the pumps with shaft and fly-wheel to regulate the motion.</p> <p>The pumps deliver directly into the service main.</p> <p>All cylinders provided with variable expansion gear regulated automatically by the pressure in the main.</p> <p>Designed by a graduate of the Engineering College, Imperial University, Japan.</p> |
|     | <p>Four sets of engines and pumps in each station engine, with one high pressure cylinder and two low pressure cylinders.</p> <p>Dia. of high pressure cylinder ..... 2' 0"</p> <p>Dia. of low pressure cylinder ..... 1' 6"</p> <p>Stroke ..... 2' 6"</p> <p>Dia. of the pumps .... 1' 6½"</p> <p>Maximum quantity of water pumped by three sets of</p> |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



- Model made by the pattern makers in the College work-shop.
- F 2 Model of tea-room, Myōki-an, Yamazaki,  $\frac{1}{5}$  of natural size. 1
- This is a model of the Myōki-an, a tea-room at Yamazaki, a wooden structure, scale  $\frac{1}{5}$  full size. It is an exact copy of the Myōki-an. The model was built, July 1892, by a native carpenter, superintended by Keikichi Ishii, Assistant Professor, Engineering College, Imperial University, under the direction of Kingo Tatsuno, Professor. The model is cut right vertically into two, in order to expose the inside view. Some extra fixings are made to support the cut halves firmly. The Myōki-an represented by this model stands near a Buddhist temple at Ōyamazaki in the district of Yamashiro. It is noted for having been owned by Rikyū, a priest, who was the founder of the tea-entertainment (*cha-no-yu*). Moreover, it is renowned for the fact that the Taikō, Toyotomi Hideyoshi, once visited it.
- „ 3 Graduation Essays and Drawings by students of Civil Engineering for the last three consecutive years. 1
- „ 4 Model, vertical section, and reproduction of decorative coloring of the Gojū-no-tō,

Nikkō,  $\frac{1}{20}$  of natural size. 1

This is a model of the Gojū-no-tō, or the five storied tower, at Nikkō, Japan. It is a timber structure, like the real one. It is exactly of the same size as the drawing, which is  $\frac{1}{20}$  full size. The model is built by Sentarō Kurosaki, a native carpenter of repute, superintended by Keikichi Ishii, Assistant Professor, Engineering College, Imperial University, under the direction of Kingo Tatsuno, Professor, July 1892. The roofings and the hand-rails are partly unfinished, the object being to make the construction, which is of a special kind, easily visible. The colors are applied by Mr. Kotobuki Matsuoka, exactly in imitation of the real ones.

The Gojū-no-tō represented by this model has a total height, measured from the base-stone up to the *hōshi*--an ornamental globe of metal on the top of the prominent rod--of 113 feet and 4 inches. As measured from the ground level to the apex, it is 116 feet and 8 inches. Each side of the bottom square measures 16 feet between the centres of the corner columns. The vertical section of the Gojū-no-tō is calculated to have an area of 1,692½ square feet, of which an area of 43½ square feet is the vertical section at the centre of the *kurin* (top rod exposed to the weather). The tower is enclosed with a stone fence eight *ken* or forty-eight feet square. The outer surfaces of the body of the tower are painted red. The caves of



each story are composed of double rafters, and cast deep shadows upon the body of the tower. The roofing material is copper. The bottom story is most elaborately finished. The panels of the doors have the sign of the *aoi*—the holly-hock—the Tokugawa family crest. As to the interior, the centre columns of the “four heavens” are enclosed with *kin-ran*—gold embroidery. The four sides are painted red. Around the eaves of the bottom story, color-decorations are applied profusely, and there are painted wood-engravings of the twelve animals representing the Duodenary Cycle—namely, Rat, Bull, Tiger, Hare, Dragon, Serpent, Horse, Goat, Ape, Cock, Dog, and Pig.

The mode of construction of the Gojū-no-tō is very ingenious. It has power to resist violent winds, as well as great earthquake shocks, which are well known to be frequent in Japan. Like the ordinary structures after the native fashion, the Gojū-no-tō consists of uprights and horizontals of timber with a very few diagonal elements. Each story has 16 columns, 12 of which are always visible from the outside. The inter-columniation of each story is a little less than that of the story below it. The junctions of the columns of a lower story with those of an upper one are made simply with mortise and tenon applied to the horizontal squares framed at the levels of the junction. The corner rafters, which are important as supports for the extraordinary projections of the eaves, also in-

crease the strength of the junction, as the ends of the corner rafters are fixed to the corner columns of the story above with mortise and tenon. The hand-rails and roof-timberings also assist in fastening the junction. Great constructive ingenuity is revealed in the use of the centre shaft, which is simply hung at the middle, vertically supported by means of a chain, and which carries the top rod projecting upon the highest roof. The shaft does not touch the ground nor the construction, excepting at the top roof. By this contrivance, the highest roof is made wind-proof, and, at the same time, the centre of gravity, which is roughly calculated to be at the upper part of the hand-rail level of the lowest-but-one story, is lowered a little; and thus the stability of the structure is much increased. This mode of construction came from China. But in China this excellent mode of construction has been lost.

The Gojū-no-tō at Nikkō is situated at the west side between the stone *torii* and the Niō-gomon of the Shrine of Tōshō Gongen. Some Buddhist idols are placed in the central part of the lowest story. This tower had been built and dedicated to Tōshō Gongen by one of his loyal subjects, Sakai Tadakatsu, of Obama in Wakasa, in the 3rd year of Keian (1650 A.D.). In the second year of Bunkwa (1805 A.D.), this graceful pagoda of Nikkō was burnt down. The work of rebuilding it exactly after the original model was begun on February 11th in the sixth year

of Bunkwa (1809 A. D.), and the building was completed on October 27th of the same year. The foreman of the workers was Kiheiji Ōkura. The external red paint and other decorations were executed by Hikoshiro Hinoya, a contractor.

Vertical section of the Gojū-no-tō, Nikkō;  $\frac{1}{20}$  full size, copied by Jotarō Ishihara, College of Engineering, Imperial University of Japan.

Reproduction of Decorative Coloring of the Gojū-no-tō, Nikkō;  $\frac{1}{20}$  full size, Jotarō Ishihara, Draughtsman; College of Engineering, Imperial University of Japan.

F 5 Model of the Sammon, or Mountain Gate, at Shiba in Tōkyō.

This is a model of the Shiba Sammon or the Mountain Gate, at Shiba, Tōkyō, Japan. It is a timber structure, like the real one. The model was made by native carpenters in the old Kōbun-dai-gakkō, or Engineering College, under the Engineering Department of the Government. The paint has been recently applied by a contractor, Satō, superintended by Keikichi Ishii, As-

sistant Professor, under the direction of Kingo Tatsuno, Professor, July 1892.

The Shiba Sammon represented by this model stands in the Shiba Park, originally a great cemetery of the Tokugawa family. Sammon, as its name implies, is the Mountain Gate, that is, the gate of honor. It is one of the chief features of Buddhist grave-yards.

The structure is two-storied. The lower part is for passage, on both sides of which the Niō, or the statues of the two kings, have been placed. In the upper story, the Jūroku Rakan, or the statues of the sixteen Buddhist sages, have been put. The paint is of cinnabar red.

The Shiba Sammon was built in the third year of Keichō (1598 A. D.).

F 6 Automatic Electric Recorder, invented by the late Professor R. Shida, of the Engineering College, Imperial University, Tōkyō, Japan.

## COLLEGE OF SCIENCE.

*(Instruments in the Earthquake Laboratory.)*

The first earthquake instrument ever invented, is in all probability that of Chōkō, dating from the year A. D. 132. The first instrument used for

keeping systematic records in Japan, was Palmieri's modification of the contrivance sketched out by the late Robert Mallet. Since this, not only have all forms

of seismographs and seismoscopes employed in Europe and America been employed, but many special forms have been designed in Japan, with the result that rather than Japan borrowing from Europe and America, these countries are using inventions which had their origin in Japan. A few of these instruments are exhibited in this laboratory. The main feature in their construction is that they all work from "*steady points*," and for small earthquakes at least, we can say with confidence that the diagrams they yield are absolute measurements of the earth's motion. From diagrams written on stationary plates we know the extent and the direction of the principal vibrations in a shock, but when the movements are recorded on a moving surface, we know the period or the rapidity with which the movements follow each other. From these latter diagrams, the acceleration or suddenness of movements may be calculated and factors given to engineers enabling them to build so as to resist known forces, rather than simply building strongly because an earthquake is strong.

F 7 Seismograph writing on a glass disc with a time-ticker. 1

Here we have horizontal pendulums writing the earth's motion as two rectangular components on the surface of a smoked glass plate. The vertical motion is given by a vertical spring lever seismograph. The rate at which

the plate revolves is accurately marked by an electrical time-ticker. The movements of the latter are governed by a pendulum swinging across and making contacts with a small vessel of mercury.

The revolving plate is kept in motion by clock work which is set in motion by an electric seismoscope. (See No. 8.)

- F 7 Circular plates for the above. 12
- 8 Earthquake clock, contact maker, time-ticker pendulum, and six dry cells, belonging to the Seismograph writing on a disc and Seismograph writing on a drum. 7

**Electrical Contact Maker.** These instruments are delicate seismoscopes, which, on the slightest disturbance, close an electric circuit, which actuating electric magnets, sets free the machinery driving the recording surfaces on which diagrams are written.

**Clock.** At the time of an earthquake the dial of this clock moves quickly back and forth and receives on its surface three dots from the ink pads on its fingers. It thus records hours, minutes and seconds, without being stopped.

- 9 Seismograph writing on a band of paper. 1

In this instrument not only is the diagram written along a straight line but it is written with pencil,—the trouble of handling smoked paper being therefore avoided. When the earthquake ceases, the drum ceases to revolve, but if a second or third earthquake should occur, it is again set in motion. By this means a series of earthquakes may be recorded, the resetting of the instrument being automatic.

F 9 Seismograph without multiplying levers. 1

This instrument is intended to record large motions, the horizontal levers not being prolonged beyond the steady points to multiply the motion. For large earthquakes, when the ground is thrown into wave like undulations, special instruments which measure tilting are employed.

„ „ Duplex Pendulum Seismograph. 1

In this case a steady point is obtained by controlling the motion of an ordinary pendulum with an inverted pendulum. The record consists of a series of superimposed curves written on a smoked glass plate.

„ „ Mantelpiece Seismometer. 1

This is intended for the use of those who simply wish to know the direction and extent of motion as recorded at their own house. It is a form of duplex pendulum, and it gives

absolute measurements for small displacement.

F 10 Tromometer. 1

This is one form of an instrument which is used to record movements which are common to all countries, called earth tremors. Every five minutes, by clock-work contacts and an induction coil, sparks are discharged from the end of the long pointer to perforate the bands of paper which are slowly moving across the brass table. If the pointer is at rest, then a series of holes are made following each other in a straight line, but if it is moving, the bands of paper are perforated in all direction round what would be the normal line of perforations.

The earth movements which cause these disturbances are apparently long surface undulations of the earth's crust, in form not unlike the swell upon the ocean.

A more satisfactory method of recording these motions, which has been used for the last two years, is by a continuous photograph of a ray of light reflected from a small mirror attached to a small but extremely light horizontal pendulum.

„ „ Coil, clock, etc., belonging to the above. 1

„ 11 Model of an Earthquake. 1

The bent wires represent the path traced by an earth particle at the time of the Earthquake of



Jan. 15th, 1887. The numbers indicate successive seconds. This model was made by Prof. S. Sekiya.

F 12 Safety lamps. 2

These are lamps which, if overturned, are at once extinguished. One of these is a European invention and the other Japanese.

.. 13 Photograph illustrating Seismic and Volcanic Effects : 24

Biwajima Bridge.

Cotton Factory, Nagoya.

ditto

Twisted Railway Line.

Bridge in Neo Valley.

Landships in Neo Valley.

Sunken Houses in Neo Valley.

Railway Bridge, Nagara River.

ditto

ditto

Town of Kasamatsu.

ditto

Embankment of Nagara River.

Biwajima.

The Great Fault in Neo Valley.

Crater wall of Bandaisan.

Bandaisan.

Lake formed by damming a Valley.

ditto

Inside the crater of Bandaisan, destroyed by air concussion.

Mt. Fuji from Kawaguchi.

Mt. Fuji from Otome Pass.

The crater of Asama-yama.

These pictures show the effects of the Great Earthquake of October 28th, 1891, the devastation following the Eruption of Bandaisan in 1887, and several of the more important volcanoes in Japan.

1. The Great Earthquake of Japan on Oct. 28th 1891, resulted in the death of about 10,000 people, the total destruction of 127,000 houses, and the general ruin of everything within an area of 92,000 square miles. Forests were shaken from hill sides and valleys were compressed whilst a fault or sinking of country took place along a line between 40 and 50 miles in length. The earth movement was probably as great as anything recorded in the history of seismology.

|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  |                                                                                                                                                                                                   |      |
|---|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|   |    | 2. The Eruption of Bandaisan took place on July 15th, 1888. In less than ten minutes material derived from the blowing off of a mountain top buried an area measuring 13 by 7 miles, from 30 to 100 feet deep, beneath a sea of earth and boulders. All in the district, numbering some 600 souls, were buried. |  |  |  | Chinese seismometer.                                                                                                                                                                              | 2    |
| F | 15 |                                                                                                                                                                                                                                                                                                                 |  |  |  | Frames of covers belonging to the instruments exhibited.                                                                                                                                          | 1    |
|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  | Explanatory notes.                                                                                                                                                                                | 1400 |
|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  | Seismograph writing on a drum.                                                                                                                                                                    | 1    |
|   |    | 3. Fujisan, which ranks amongst the most symmetrical volcanic cones in the world, last erupted in 1707. Its solitary grandeur and graceful outline have attracted the attention of artists and poets and made it an object of admiration for all travellers.                                                    |  |  |  | In this instrument the record is written on a band of paper, the diagram being less difficult to interpret because it is written to the right and left of a straight line and not round a circle. |      |
|   |    | 4. Asama is a volcano about 70 miles north of Tōkyō. It is always in a state of activity and at night the glow of its fires can be distinctly seen at the bottom of a crater over 700 feet in depth.                                                                                                            |  |  |  | Specimens of insects.                                                                                                                                                                             | 1    |
|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  | Drawing.                                                                                                                                                                                          | 1    |
|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  | Archaeological specimen.                                                                                                                                                                          | 1    |
|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  | ditto                                                                                                                                                                                             | 1    |
|   |    |                                                                                                                                                                                                                                                                                                                 |  |  |  | ditto                                                                                                                                                                                             | 1    |
| F | 14 | Picture of the old                                                                                                                                                                                                                                                                                              |  |  |  | ditto                                                                                                                                                                                             | 1    |

## COLLEGE OF AGRICULTURE.

|   |    |                                                                   |           |  |    |                                                                   |           |
|---|----|-------------------------------------------------------------------|-----------|--|----|-------------------------------------------------------------------|-----------|
| F | 20 | Model of Japanese fruits.                                         | 103 kinds |  |    | periments with barley.                                            | 1         |
|   | 21 | Photograph showing the results of manuring experiments with rice. | 1         |  | 23 | Bulletin of the Agricultural College, Imperial University, Japan. | 1         |
|   | 22 | Photograph showing the results of manuring ex-                    |           |  | 24 | Specimens of Japanese timber-wood.                                | 8 frames. |

|   |    |                                                                                    |   |
|---|----|------------------------------------------------------------------------------------|---|
| F | 25 | A set of discs showing the growth of the most important Japanese timber trees.     | 3 |
| „ | 26 | Analytical diagram of the most important Japanese timber trees.                    | 1 |
| „ | 27 | Diagram showing the vertical growth of the most important Japanese timber trees.   | 1 |
| „ | 28 | Diagram showing the horizontal growth of the most important Japanese timber trees. | 1 |
| „ | 29 | Diagram showing the volume growth of the most important Japanese timber trees.     | 1 |
| „ | 30 | Experimental table of a <i>sugi</i> -forest in Yoshino.                            | 1 |
| „ | 31 | Specimens of seeds of the more important Japanese timber trees. 30 bottles         |   |
| „ | 32 | A set of photographs showing the transportation of timber in the Kiso forest.      | 1 |

## F 33 Stereometer. 1

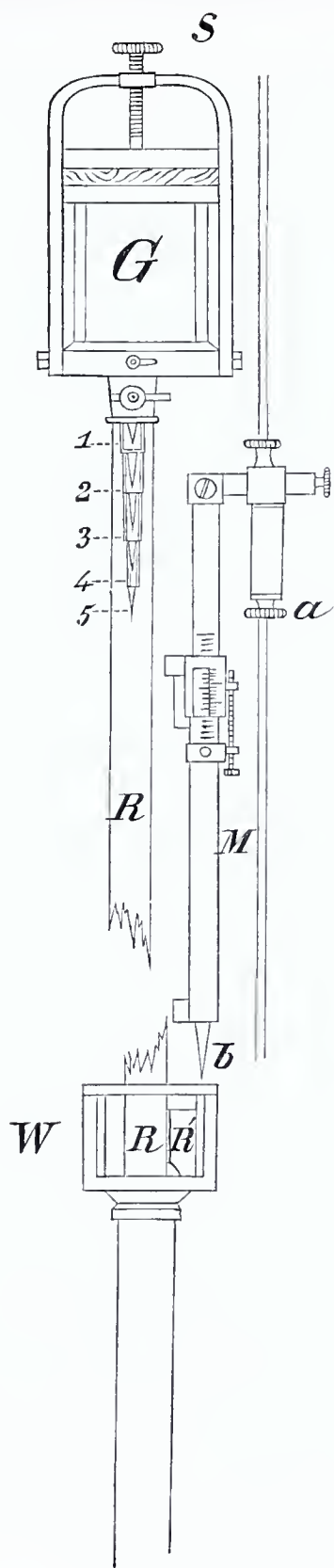
This instrument has been constructed for the physical laboratory of the Agricultural College, Imperial University, Tōkyō, for determining the specific gravity of porous substances, such as wood and soils, which undergo changes of volume in water, and also for ascertaining quickly the air and the water capacities of soils.

It is constructed on the same principle as the well-known Say's stereometer and Regnault's volumometer, and combines the merits of both instruments, especially the accuracy of Regnault's instrument without the use of barometer or kathetometer.

The gilded vessel *G* inside the glass cylinder is intended to hold the substance to be experimented with, and is hermetically closed by means of a screw *s*, whilst the stop-cocks  $\alpha$  and  $\beta$  are opened, so that the air in the glass cylinder can communicate with the air outside. Then the vessel *G* is lowered slowly by means of a rack till the point of the ivory tooth 1 inside the glass tube *R* touches the surface of the mercury. Now the stop-cock  $\beta$  is closed and the vessel *G* is again raised till the rising mercury reaches the point of the second ivory tooth. In order to attain the greatest accuracy, the micrometer screw behind the vessel *G* should be used.

The level of the mercury in the glass tube *R* can be indicated by means of a scale *M*, which is movable in all directions. By means of the screw *a*, we can





Stereometer.



adjust the scale in such a position that the point of the ivory tooth  $b$ , which is the zero of the scale, touches the surface of the mercury in the tube  $w$ . In order that any error from the fluctuation of the surface of the mercury might be avoided, and also the capillary depression in the tube  $R$  might be reduced as much as possible, the tooth  $b$  is so made as to move about in the glass tube  $R'$ , which has the same diameter as the tube  $R$  and communicates with it at the bottom.

Let the height of the mercury in the tube  $R$  be  $\eta$ . The stop-cock  $\alpha$  and  $\beta$  being closed, the air in the vessel  $G$  is under the atmospheric pressure at the time of the experiment, while the air in the glass tube  $R$  is under the pressure  $H - \eta$ . Let the volume of the glass tube from  $\beta$  to the tooth 1 be  $v'$  and that from the tooth 1 to the tooth 2,  $v$ , then we have

$$Hv' = (H - \eta)(v + v'). \quad \text{I}$$

Now, having opened the stop-cock  $\alpha$  and  $\beta$ , lower the vessel  $G$  till the point of the ivory tooth 1 touches again the surface of the mercury. Then close the stop-cock  $\alpha$  and raise again the vessel  $G$  till the surface of the mercury touches one of the ivory teeth below the tooth 2. Use the tooth 3, 4 or 5, according to the volume of the substance experimented with, taking care that the height of the raised mercury allows us to measure it by the scale  $M$ , without being hindered by the vessel  $G$ .

Now let the volume of the glass tube from the ivory tooth

2 to any one of the three teeth 3, 4, or 5 be  $w$ , the volume of the vessel without the substance experimented with,  $V$ , the volume of the substance experimented with,  $x$ , and the height of the mercury,  $\eta'$ , then as the air has expanded from the volume  $V - x + v'$  to the volume  $V - x + v' + v + w$ , we have

$$(V - x + v')H = (H - \eta')(V - x + v' + v + w). \quad \text{II}$$

provided, that the temperature is unaltered.

Combining this equation with the equation I, we have

$$x = A - B \left( 1 - \frac{\eta'}{\eta} \right)$$

$A$  and  $B$  are two constants independent of the barometric height, and peculiar to each instrument, inasmuch as we can neglect the changes of volume of the vessel  $G$  and the glass tube  $R$  due to the changes of temperature. These constants can be readily determined experimentally.

## F 34 Tribometer. 1

This instrument has been made by the Kikai Seizōkaisha, Tōkyō, according to the directions of Dr. Dirō Kitao, Professor of the Agricultural College, Imperial University, in order to determine the friction coefficient of Japanese timber, and also to investigate the laws of sliding friction of anisotropic bodies.

The principal part of the instrument consists of a strong well-polished plate  $AA$  (V. Diagram) which by its steel knife-

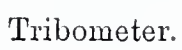
edge just touches the steel cross-piece  $d$  of the iron supporter  $U$ . From the other end of the plate  $A A$ , which can be moved around its edge  $C$ , two thin but strong cords are passed parallel to each other, first over two rollers (near  $r$ ) and then through the slits  $R R$  of the movable plate and are fastened to an axle in the supporter  $U$ , in such a manner that the plate  $A A$  can be moved round the knife-edge  $c$  by turning the handle  $k$ . As the mass of the cords is quite insignificant when compared with that of the movable plate, and the supporter stands quite firmly on account of its weight and size, the movable plate can be turned without shaking by means of the handle, if it is turned always with the same speed.

The square columns  $B B$  which support the rollers and stand perfectly vertical are 200 mm. long, counting from the axle of the movable plate. One of these columns is supplied with a scale of mm. and a vernier  $N$ , which is raised when the plate is turned and can be kept in position there by means of a spring. The friction plate  $F$  made of polished iron can be replaced by another of different substance, which is fastened by means of four screws  $s$ . The solid body whose friction coefficient is to be determined is placed on the friction plate, and the plate  $A A$  turned until the solid body begins to slide. We get the friction coefficient of the body experimented with in relation to the friction surface by means of the following equation :

$$n = \frac{m}{200 \left[ 1 - \left( \frac{\Delta}{200} \right)^2 \right]} - \frac{\Delta}{200} \sqrt{\frac{1 + \left( \frac{m}{200} \right)^2 - \left( \frac{\Delta}{200} \right)^2}{\left[ 1 - \left( \frac{\Delta}{200} \right)^2 \right]}}$$

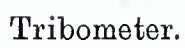
in which  $\Delta$  is the thickness of the movable plate and  $m$  the scale reading.

But as the beginning of sliding under such a critical angle is hardly perceptible to the eye, Dr. Kitao has employed an electro-magnetic clock-work to indicate it. The screw by which a metallic hoop is fastened around the body experimented with, ends in a knob covered with platinum  $\gamma$ . Opposite to it are two fine platinum brads  $a$ , one of which is fastened on to the short small massive column  $e$  while the other is put through the slit in the column  $e$  without coming in metallic contact with it. This second brad can be moved by the screw  $\sigma$  in the short small column  $e'$ , till both brads  $a$  form a metallic connection with the platinum  $\gamma$ . Now, as shown by the dotted lines in the diagram, the binding screws  $s s$ , the small columns  $e$  and  $e'$  and the ends of the metallic conductors of the electric clock-work  $M$  are so combined, that as long as  $\gamma$  forms a metallic connection with  $a$ , that is to say, as long as the body remains in the state of rest, the iron armature  $\varepsilon$  is drawn to the clock-work, but as soon as the body begins to move and the connection between  $\gamma$  and  $a$  is interrupted, the iron armature begins to vibrate.



### Tribometer.





### Tribometer.





Dr. Kitao has examined with this instrument a large number of timber and has therefore had many opportunities of assuring himself of the sensibility of this instrument as well as of the impossibility to draw a sharp line between the state of rest and of motion of the bodies experimented with. Certainly, the remaining magnetism is troublesome, especially if the current is too strong; besides, the moment when  $\gamma$  and  $\alpha$  lose their electric connection is not identical with the moment when the iron armature  $\varepsilon$  in the electric clock gives way. Moreover, as the iron armature thus thrown back needs a little time to produce the first sound, the interruption of the conduction between  $\gamma$  and  $\alpha$  does not take place at the same time with the perception of the sound. But it was found that the defects arising from these inconveniences seem to be of the same sort as the defects which arise from the inevitable shaking of the plate by turning, if a weak current is used and the movable plate near the critical angle is turned so slowly that the rate of turning nearly vanishes against the rate of the vibration of the iron armature.

The magnitude of the friction coefficient, even with an amorphous body, is found somewhat different if the direction of sliding is changed. In order to be quite sure that the sliding direction of the body is always the same, when repeating the experiments with the same body, we make use of the pusher  $D$ , which can be moved along the friction sur-

face  $F$  by means of the screw  $\Sigma$ . We turn  $\Sigma$  till platinum  $\gamma$  gets into electric contact with two little brads, when the electric clock will be silent. Now  $\Sigma$  is turned back until there is a hair's breadth between hoop  $U$  and the pusher  $D$ .

The results obtained by this instrument will soon be published in an essay in the bulletin of the College of Agriculture, Imperial University, Tōkyō.

- |   |    |                                                          |
|---|----|----------------------------------------------------------|
| F | 35 | Specimens of charcoal made by dry distillation. 12 cases |
| " | 36 | Forest technological products. "                         |
| " | 37 | Models of the ligaments of the Japanese horse :          |

### I.

#### Ligaments of temporo-maxillary articulation.

1. 2. Ligamenta capsularia.
3. Ligamentum laterale.
4. Ligamentum laterale superius.

### II.

#### Ligaments of occipito-atloid articulation, atlo-axoid articulation and intervertebral articulation between axis and vertebra colli tertia.

1. 2. 3. Ligamenta articularia capitis.
4. Ligamentum obturatorium posterius hom.
5. 6. Ligamenta lateralia atlantis.

7. Ligamentum obturatorium anterius hom.
8. 9. 10. 11. Ligamenta capsularia atlantis et epistrophei.
12. 13. 14. Ligamenta intercruralia.
15. 16. 17. Ligamenta interspinalia.
18. Ligamentum superius processus odontoidei.
19. Ligamentum inferius processus odontoidei.
20. Ligamentum nuchae (funicular portion).
21. 22. Ligamenta nuchae (lamellar portion).
23. 24. Ligamenta capsularia.
25. Ligamentum longitudinale posterius hom.
26. Ligamentum intervertebrale.

### III.

#### Ligaments of intervertebral articulations and costo-vertebral articulations.

- 1.—5. Ligamenta intervertebralia.
6. Ligamentum longitudinale posterius hom.
7. Ligamentum longitudinale anterius hom.
- 8.—11. Ligamenta capsularia.
12. 13. Ligamenta capsularia capituli costae.
- 14.—17. Ligamenta capsularia tuberculi costae.
- 18.—21. Ligamenta colli costae.

- 22.—25. Ligamenta tuberculi costae.
- 26.—29. Ligamenta capituli costae inferiora.
- 30.—33. Ligamenta conjugalia costarum.

### IV.

#### Ligaments of intervertebral articulation.

1. 2. Ligamenta intervertebralia.
3. Ligamentum longitudinale anterius hom.
4. 5. Ligamenta capsularia.
6. 7. Ligamenta interspinalia.
8. Ligamentum supraspinale.
9. Ligamentum intercrurale.

### V.

#### Ligaments of chondro-sternal articulations and sternal symphyses.

- 1.—8. Ligamenta stero-costalia radiata.
9. Ligamentum chondroxyphoideum hom.
10. Ligamentum steri proprium superius.

### VI.

#### Ligaments of scapulo-humeral articulation.

1. 2. Ligamenta capsularia brachii.

### VII.

#### Ligaments of humero-radial articulation and radio-ulnar articulation.

1. Ligamentum capsulare antibrachii.
2. Ligamentum laterale radiale.
3. Ligamentum laterale ulnare.

4. Ligamentum transversum internum radii et ulnae.
5. Ligamentum transversum externum radii et ulnae.
6. 7. Ligamenta interossea hom.

### VIII.

#### Ligaments of articulations of the car- pus and intermetacar- pal articulations.

1. Ligamentum carpi capsulare.
2. Ligamentum carpi volare commune.
3. Ligamentum carpi laterale internum anterius.
4. Ligamentum carpi laterale internum medium.
5. Ligamentum carpi laterale internum posterius.
6. Ligamentum carpi laterale externum longum.
7. Ligamentum carpi laterale externum breve.
8. Ligamentum laterale radii et ossis navicularis.
9. Ligamentum laterale ulnae et ossis triquetri.
10. Ligamentum volare obliquum ossis navicularis et radii.
11. Ligamentum radii et ossis pisiformis.
12. Ligamentum volare ossis navicularis, multanguli minoris et capitati.
13. Ligamentum volare ossis triquetri et capitati.
14. Ligamentum inferius ossis pisiformis.
15. Ligamentum laterale ossis multanguli minoris et metacarpi.
16. Ligamentum laterale ossis hamati et metacarpi.
17. Ligamentum dorsale obliquum ossis capitati et metacarpi internum.
18. Ligamentum dorsale obliquum ossis capitati et metacarpi externum.
19. Ligamentum transversum dorsale ossis navicularis et semilunaris.
20. Ligamentum transversum dorsale ossis semilunaris et triquetri.
21. Ligamentum transversum ossis triquetri et pisiformis.
22. 23. Ligamenta volaria ossis pisiformis, triquetri, et semilunaris.
24. Ligamentum volare ossis semilunaris et navicularis.
25. Ligamentum transversum dorsale ossis capitati et hamati.
26. 27. Ligamenta interossea metacarpi.
28. Ligamentum suspensorium.

## IX.

Ligaments  
of intermetacarpal articula-  
tions, metacarpo-phalan-  
geal articulation and  
interphalangeal  
articulations.

1. 2. Ligamenta interos-  
sea metacarpi.
3. 4. 5. Ligamenta suspen-  
soria.
6. Ligamentum capsu-  
lare phalangis pri-  
mae.
7. Ligamentum laterale  
radiale phalangis  
primae.
8. Ligamentum laterale  
ulnare phalangis  
primae.
9. Ligamentum ossium  
sesamoideorum  
transversum.
10. Ligamentum laterale  
ossium sesamoide-  
orum internum.
11. Ligamentum laterale  
ossium sesamoide-  
orum externum.
12. 13. 14. Ligamenta volaria  
recta ossium sesa-  
moideorum.
15. Ligamentum crucia-  
tum ossium sesa-  
moideorum.
16. Ligamentum laterale  
radiale phalangis  
secundae.
17. Ligamentum laterale  
ulnare phalangis  
secundae.
- 18.--22 Ligamenta volaria  
phalangis secundae.
23. Ligamentum capsu-  
lare phalangis ter-  
tiae.

24. Ligamentum laterale  
radiale phalangis  
tertiae.
25. Ligamentum laterale  
ulnare phalangis  
tertiae.
26. Ligamentum laterale  
radiale ossis sesa-  
moidei inferioris.
27. Ligamentum laterale  
ulnare ossis sesa-  
moidei inferioris.
28. Ligamentum interos-  
seum.
29. 30. Ligamenta cartila-  
ginis et ossis navi-  
cularis.
31. 32. 33. Ligamenta cartilaginis  
et phalangis pri-  
mae.
34. Ligamentum cartila-  
ginis et phalangis  
secundae.
35. Ligamentum cartila-  
ginis et phalangis  
tertiae.

## X.

Ligaments  
of  
sacrum and os innominatum.

1. Ligamentum supra-  
spinale.
2. 3. 4. 5. Ligamenta inter-  
spinalia.
6. Ligamentum laterale  
anticum hom.
7. Ligamentum arcua-  
tum hom.
8. 9. Ligamenta ilio-sac-  
ra brevia hom.
10. Ligamentum ilio-sac-  
rum longum hom.
11. Ligamentum tubero-  
so-et spinoso-sac-  
rum hom.

12. Ligamentum obturatorium hom.
13. Ligamentum teres hom.

## XI.

### Ligaments of coxo-femoral articulation.

1. Ligamentum capsulare femoris.
2. Ligamentum transversum incisurae acetabuli.
3. Ligamentum teres hom.
4. Ligamentum pubo-femorale.

## XII.

### Ligaments of femoro-tibial articulation and tibio-fibular articulation.

1. Ligamentum anticum cartilaginis semilunaris internae.
2. Ligamentum posticum cartilaginis semilunaris internae.
3. Ligamentum anticum cartilaginis semilunaris externae.
4. Ligamentum posticum superius cartilaginis semilunaris externae.
5. Ligamentum posticum inferius cartilaginis semilunaris externae.
6. Ligamentum capsulare tibiae.
7. Ligamentum tibiae laterale internum hom.
8. Ligamentum tibiae laterale externum hom.
9. 10. Ligamenta cruciata antica hom.
11. Ligamentum cruciatum posticum hom.

12. Ligamentum patellae capsulare.
13. Ligamentum transversum patellae internum.
14. Ligamentum transversum patellae externum.
15. Ligamentum patellae rectum internum.
16. Ligamentum patellae rectum medium.
17. Ligamentum patellae rectum externum.
18. Ligamentum fibulare capsulare.
19. 20. Ligamenta interossea tibiae et fibulae.

## XIII.

### Ligaments of articulations of the tarsus and intermetatarsal articulations.

1. Ligamentum tarsi capsulare.
2. Ligamentum tarsi laterale internum longum.
3. 4. 5. Ligamenta tarsi lateralia interna brevia.
6. Ligamentum tibiale astragali.
7. Ligamentum tarsi laterale externum longum.
8. 9. Ligamenta tarsi lateralia externa brevia.
10. Ligamentum tarsi plantare.
11. Ligamentum dorsale tarsi obliquum.
12. Ligamentum plantare rectum astragali et ossis navicularis.
13. Ligamentum dorsale obliquum calcanei et ossis navicularis.
14. Ligamentum plantare rectum calcanei et os-

- sis cuneiformis primi et secundi.
15. Ligamentum dorsale obliquum ossis navicularis et cuneiformis tertii.
16. Ligamentum dorsale obliquum ossis cuneiformis tertii et metatarsi medii.
17. Ligamentum dorsale obliquum ossis cuboidei et metatarsi medii et externi.
18. Ligamentum transversum externum calcanei et astragali.
19. Ligamentum plantare internum calcanei et astragali.
20. Ligamentum plantare externum calcanei et astragali.
21. Ligamentum transversum dorsale ossis navicularis et cuboidei.
22. Ligamentum transversum dorsale ossis cuneiformis tertii et cuboidei.
23. 24. Ligamenta interossea metatarsi.

F 38 Models of the muscular insertions of the Japanese horse :

I.

Muscular insertions on ossa cranii.

1. 2. Musculi mastoideo-humerales.
3. Musculus splenius capitis et colli hominis.

4. Musculus trachelomastoideus h.
5. Musculus complexus h.
6. Musculus rectus capitis posticus major.
7. Musculus rectus capitis posticus medius.
8. Musculus rectus capitis posticus minor h.
9. Musculus obliquus capitis superior h.
10. Musculus occipitostyloideus.
11. Musculus biventer maxillae inferioris h.
12. Musculus stylo-maxillaris.
13. Musculus tragicus h.
14. Musculus tensor veli palatini h., et Musculus levator veli palatini h.
15. Musculus rectus capitis anticus major h.
16. Musculus rectus capitis anticus minor h.
17. Musculus rectus capitis lateralis h.
18. 19. Musculi temporales h.
20. Musculus levator auris longus.
21. 22. 23. Musculi communes auris.
24. Musculus adductor auris superior.
25. Musculus levator auris medius.
26. Musculus adductor auris externus.
27. Musculus corrugator supercilii h.



28. Musculus orbicularis palpebrarum h
29. Musculus levator labii superioris et alae nasi h.
30. Musculus levator labii superioris proprius.
31. Musculus lacrymalis.
32. Musculus masseter h.
33. Musculus pyramidalis nasi.
34. Musculus molaris.
35. Musculus obliquus oculi inferior.
36. Musculus levator palpebrae superioris h.
37. Musculus rectus oculi superior.
38. Musculus rectus oculi inferior.
39. Musculus rectus oculi internus.
40. Musculus rectus oculi externus, et Musculus retractor bulbi.
41. Musculus obliquus oculi superior.
42. Musculus pterygoideus externus h.
43. Musculus pterygoideus internus h.
44. Musculus pterygopharyngeus h.
45. Musculus palatopharyngeus.
46. Musculus palatinus.
47. 48. Musculi dilatatores breves.
49. Musculus buccinator h.
50. Musculus incisivus labii superioris h.

## II.

## Muscular insertions on os maxillare inferius.

1. 2. Musculi temporales h.
3. Musculus masseter h.
4. Musculus molaris et Musculus depressor labii inferioris.
5. Musculus buccinator h.
6. Musculus incisivus labii inferioris h.
7. Musculus levator menti h.
8. Musculus sterno-maxillaris.
9. Musculus stylo-maxillaris.
10. Musculus biventer maxillae inferioris h.
11. Musculus pterygoideus externus h.
12. Musculus pterygoideus internus h.
13. Musculus mylo-hyoideus h.
14. Musculus mylo-glossus h.
15. Musculus genio-glossus h.
16. Musculus genio-hyoideus h.

## III.

## Muscular insertions on os hyoideum.

1. 2. Musculi occipito-styloidei.
3. 4. 5. 6. Musculi stylo-hyoidei h.
7. 8. Musculi styloglossi h.
9. 10. Musculi styloglossi secundi.
11. 12. Musculi stylopharyngei h.
13. 14. Musculi hyoidei transversi h.
15. 16. 17. 18. Musculi cerato-hyoideus h.

|         |                                                        |
|---------|--------------------------------------------------------|
| 19. 20. | Musculi linguales h.                                   |
| 21.     | Musculus hyo-epiglotticus h.                           |
| 22. 23. | Musculi baseo-glossi h.                                |
| 24.     | Musculus genio-hyoideus h.                             |
| 25. 26. | Musculi mylo-hyoidei h.                                |
| 27.     | Musculi omo-hyoideus h. et Musculus sterno-hyoideus h. |
| 28. 29. | Musculi chondropharyngei h.                            |
| 30. 31. | Musculi hyothyreoidei h.                               |
| 32. 33. | Musculi ceratopharyngei h.                             |

## IV.

## Muscular insertions on atlas.

|         |                                                                                                  |
|---------|--------------------------------------------------------------------------------------------------|
| 1. 2.   | Musculi obliqui capitis inferiores h.                                                            |
| 3. 4.   | Musculi recti capitis postici minores h.                                                         |
| 5. 6.   | Musculi obliqui capitis superiores h.                                                            |
| 7. 8.   | Musculi recti capitis antici minores h.                                                          |
| 9. 10.  | Musculi recti capitis laterales h.                                                               |
| 11.     | Musculus longus colli h.                                                                         |
| 12. 13. | Musculi transversales cervicis, Musculi sterno-humerales, et Musculi splenii capitis et colli h. |

## V.

## Muscular insertions on axis.

|                |                                         |
|----------------|-----------------------------------------|
| 1. 2.          | Musculi recti capitis postici medii.    |
| 3. 4.          | Musculi recti capitis postici majores.  |
| 5. 6.          | Musculi spinales cervicis h.            |
| 7. 8.          | Musculi obliqui capitis inferiores h.   |
| 9. 10. 11. 12. | Musculi intertransversales cervicis h.  |
| 13. 14.        | Musculi mastoideo-humerales.            |
| 15. 16.        | Musculi complexus h.                    |
| 17. 18.        | Musculi recti capitis antici majores h. |
| 19. 20.        | Musculi depressores colli breves.       |
| 21.            | Musculus longus colli h.                |

## VI.

## Muscular insertions on vertebra colli quarta.

|             |                                                                                        |
|-------------|----------------------------------------------------------------------------------------|
| 1. 2. 3. 4. | Musculi spinales cervicis h.                                                           |
| 5.          | Musculus ilio-spinalis h.                                                              |
| 6. 7. 8. 9. | Musculi complexus h., Musculi trachelomastoidei h., et Musculi transversales cervicis. |
| 10.—15.     | Musculi intertransversales cervicis h.                                                 |

16. 17. Musculi scaleni posteriores.  
 18. 19. Musculi scaleni anteriores et medii.  
 20. 21. Musculi mastoideo-humerales,  
 Musculi levatores scapulae h.,  
 Musculi splenii capitis et colli h.,  
 et  
 Musculi cervicales descendentes h.  
 22. 23. Musculi recti capitis antici majores h.  
 24.—28. Musculi longi colli h.

## VII.

Muscular insertions on  
 vertebra dorsalis  
 nona.

1. 2. Musculi cuculares h.,  
 Musculi latissimi dorsi h., et  
 Musculi serrati postici superiores h.  
 3. 4. 5. 6. Musculi longissimi dorsi h.  
 7. 8. 9. 10. Musculi multifidi spinarum h.  
 11. 12. Musculi levatores costarum h.

## VIII.

Muscular insertions on  
 vertebra lumbalis  
 tertia.

1. Musculus latissimus dorsi h.,  
 Musculus serratus posterior inferior h., et

- Musculus longissimus dorsi h.  
 2. 3. 4. 5. ditto  
 6. 7. 8. 9. Musculi multifidi spinarum h.  
 10. 11. Musculi ilio-costales h.,  
 Musculi retractores costarum, et  
 Musculi transversarii abdominis h.  
 12. 13. 14. 15. Musculi intertransversarii lumbales h.  
 16. 17. Musculi quadrati lumborum h.  
 18. 19. Musculi psoi magni h.  
 20. 21. Musculi psoi parvi h.  
 22. Musculus phrenicus h.

## IX.

Muscular insertions on  
 os sacrum.

1. Musculus glutaeus externus.  
 2. 3. 4. Musculi bicipites femoris h.  
 5. Musculus semitendinosus h.  
 6. 7. 8. 9. Musculi levatores caudae longi.  
 10—13. Musculi levatores caudae breves.  
 14—31. Musculi multifidi spinarum h.  
 32—37. Musculi longissimi dorsi h.  
 38. 39. Musculi intertransversarii caudae.  
 40. 41. Musculi coccygei h.  
 42. 43. Musculi depressores caudae longi.

44. 45. Musculi depressores  
caudae breves.  
46. 47. Musculi quadrati lum-  
borum h.  
48. 49. Musculus pyriformes  
h., et  
Musculus iliacus inter-  
nus h.

## X.

Muscular insertions on  
costa prima.

1. Musculus ilio-costalis h.
- Musculus levator scapulae h.
3. Musculus serratus anticus  
major h.
4. Musculus scalenus posterior.
5. Musculus scalenus anterior  
et medius.
6. Musculus transversus costa-  
rum.
7. Musculus intercostalis ex-  
ternus.
8. Musculus intercostalis inter-  
nus.
9. Musculus pectoralis parvus.

## XI.

Muscular insertions on  
costa nona.

1. Musculus levator costae h.
2. 3. Musculi ilio-costales h.
4. 5. Musculi intercostales ex-  
terni.
6. 7. Musculi intercostales in-  
terni.
8. Musculus serratus pos-  
ticus superior h.
9. Musculus obliquus exter-  
nus abdominis h.
10. Musculus longissimus  
dorsi h.
11. Musculus phrenicus h.

## XII.

Muscular insertions on  
costa octava decima.

1. Musculus levator costae  
h.
2. 3. Musculi intercostales ex-  
terni.
4. Musculus intercostalis in-  
ternus.
5. Musculus ilio-costalis h.
6. Musculus longissimus  
dorsi h.
7. Musculus retractor costae.
8. Musculus serratus posti-  
cus inferior h.
9. Musculus obliquus exter-  
nus abdominis h.
10. Musculus quadratus lum-  
borum h.
11. Musculus psoas magnus  
h.
12. Musculus phrenicus h.
13. Musculus transversus ab-  
dominis h.
14. Musculus obliquus inter-  
nus abdominalis h.

## XIII.

Muscular insertions on  
sternum.

1. Musculus cutaneus colli.
2. Musculus sterno-maxil-  
laris.
3. Musculus sterno-hyo-  
ideus h., et  
Musculus sterno-thyreo-  
ideus h.
- 4.—9. Musculi intercostales  
interni.
10. 11. Musculi sterno-hume-  
rales.
12. 13. Musculi sterno-apo-  
neurotici.
14. 15. Musculi pectorales parv

16. 17. Musculi pectorales  
magni.  
18. 19. Musculi recti abdominis  
h.  
20. 21. Musculi transversi cos-  
tarum.  
22. 33. Musculi transversi ab-  
dominis h.  
24. Musculus phrenicus h.  
25. Musculus triangularis  
sterni h.

## XIV.

Muscular insertions on  
scapula.

1. Musculus cucularis h.  
2. 3. Musculi abductores  
longi.  
4. Musculus pectoralis  
parvus.  
5. Musculus supraspina-  
tus h.  
6. Musculus infraspina-  
tus h.  
7. Musculus teres minor  
h.  
8. 9. 10. Musculi anconaei  
longi h.  
11. Musculus extensor  
cubiti longus.  
12. Musculus teres major  
h.  
13. Musculus biceps bra-  
chii h.  
14. Musculus rhomboi-  
deus major h.  
15. Musculus levator sca-  
pulae h.  
16. Musculus serratus an-  
ticus major h.  
17. Musculus subscapula-  
ris h.  
18. Musculus tensor liga-  
menti capsularis.  
19. Musculus coraco-  
brachialis h.

## XV.

Muscular insertions on  
humerus.

1. 2. Musculi supraspinati h.  
3. 4. Musculi infraspinati h.  
5. Musculus teres minor h.  
6. Musculus abductor  
longus.  
7. Musculus anconaeus ex-  
ternus h.  
8. 9. Musculi brachiales in-  
terni h.  
10. Musculus tensor ligamen-  
ti capsularis.  
11. Musculus mastoido-  
humeralis.  
12. Musculus sterno-hume-  
ralis.  
13. 14. Musculi extensores meta-  
carpi magni.  
15. Musculus extensor pedis.  
16. Musculus anconaeus par-  
vus h.  
17. Musculus flexor meta-  
carpi externus.  
18. Musculus subscapularis  
h.  
19. Musculus pectoralis  
magnus  
20. 21. Musculi coraco-brachi-  
ales h.  
22. Musculus latissimus dor-  
si h., et  
Musculus teres major h.  
23. Musculus anconaeus in-  
ternus h.  
24. Musculus flexor metacar-  
pi internus.  
25. Musculus flexor metacar-  
pi medius.  
26. Musculus perforatus h.,  
et  
Musculus perforans h.

## XVI.

Muscular insertions on  
antibrachium.

1. Musculus anconaeus longus h.
2. Musculus anconaeus externus h.
3. Musculus anconaeus parvus h.
4. 5. Musculi extensores pedis.
6. 7. Musculi extensores suffraginis.
8. Musculus extensor metacarpi obliquus.
9. Musculus anconaeus internus h.
10. Musculus extensor cubiti longus.
11. Musculus flexor metacarpi medius.
12. Musculus ulnaris accessorius.
13. Musculus biceps brachii h.
14. Musculus brachialis internus h.
15. Musculus radialis accessorius.
16. Musculus perforatus h.

## XVII.

Muscular  
insertions on carpus and  
metacarpus.

1. Musculus extensor metacarpi magnus.
- 2 3. Musculus flexor metacarpi externus.
4. Musculus flexor metacarpi medius.
5. Musculus interosseus medius.
6. Musculus interosseus internus.

7. Musculus interosseus externus.
8. Musculus flexor metacarpi internus.
9. Musculus extensor metacarpi obliquus.

## XVIII.

Muscular insertions on  
phalanges.

1. Musculus extensor suffraginis.
2. 3. 4. Musculi extensores pedis.
5. 6. Musculi perforati h.
7. Musculus perforans h.

## XIX.

Muscular insertions on  
os innominatum.

1. 2. 3. Musculi glutaei medii et pyramidales h.
4. Musculus tensor fasciae latae h.
5. 6. Musculi glutaei externi.
7. 8. Musculi obliqui externi abdominis h.
9. Musculus glutaeus internus.
10. 11. Musculi recti femoris h.
12. Musculus tenuis femoris.
13. Musculi gemini h.
14. Musculus biceps femoris h.
15. Musculus longissimus dorsi h.
16. Musculus quadratus lumborum h.
17. Musculus obliquus internus abdominis h.
18. Musculus iliacus internus h.
19. Musculus pyriformis h.



20. Musculus psoas parvus h.
21. Musculus obturator internus h.
22. Musculus ischio-cavernosus h.
23. Musculus rectus abdominis h.
24. Musculus pectineus.
25. Musculus adductor longus h.
26. Musculus adductor magnus.
27. Musculus obturator externus h.
28. Musculus quadratus femoris h.
29. Musculus semimembranosus h.
30. Musculus semitendinosus h.

## XX.

Muscular insertions on  
os femoris.

1. 2. Musculi glutæi medii h.
3. Musculus pyramidalis h.
1. Musculus glutæus internus.
5. Musculus glutæus externus.
6. Musculus vastus externus h.
7. Musculus vastus internus h.
8. Musculus cruralis h.
9. Musculus tenuis femoris.
10. 11. Musculi gastrocnemii h.
12. Musculus perforatus h.
13. Musculus popliteus h.
14. Musculus tibialis anticus h., et  
Musculus extensor pedis.
15. Musculus obturatorius internus h., et  
Musculus pyriformis h.
16. Musculi gemini h.

17. Musculus obturator externus h.
18. Musculus quadratus femoris h.
19. Musculus psoas magnus h., et  
Musculus iliacus internus h.
20. Musculus biceps femoris h.
21. Musculus pectineus.
22. Musculus adductor longus h.
23. Musculus adductor magnus.
24. Musculus adductor magnus, et  
Musculus semimembranosus h.

## XXI.

Muscular insertions on  
patella.

1. 2. Musculi recti femoris h.
3. Musculus biceps femoris h.
4. Musculus tensor fasciæ latae h.
5. Musculus vastus externus h.
6. Musculus vastus internus h., et  
Musculus cruralis h.

## XXII.

Muscular insertions on  
tibia and fibula.

1. Musculus biceps femoris h.
2. Musculus peroneus tertius.
3. Musculus peroneus longus.
4. Musculus soleus.
5. Musculus flexor digitorum pedis longus.
6. 7. Musculi perforati h.
8. Musculus popliteus h.



9. Musculus gracilis h.  
10. Musculus semitendinosus h.

## XXIII.

Muscular insertions on tarsus and metatarsus.

1. Musculi gastrocnemii h.  
2 3. Musculi perforati h.  
4.—8. Musculi tibiales antici.  
9. 10. Musculi peronei tertii.  
11. Musculus interosseus medius.  
12. Musculus interosseus internus.

13. Musculus interosseus externus.

## XXIV.

Muscular insertions on phalanges.

1. 2. Musculi interossei medii.  
3. 4. 5. Musculi extensores pedis.  
6. 7. Musculi perforati h.  
8. Musculus perforans h.

## GROUP 149. CLASS 852.

## ORDINARY NORMAL SCHOOLS.

| PHOTOGRAPHS AND PLANS. |   |                                                   |
|------------------------|---|---------------------------------------------------|
| G                      | 1 | Photograph of school buildings and class-rooms. 8 |
| "                      | 2 | ditto 2                                           |
| "                      | 3 | ditto 4                                           |
| "                      | 4 | Photograph of school buildings. 1 tablet          |
| "                      | 5 | Plan of school-buildings and class-rooms. 9       |
| "                      | 6 | Plan of school buildings. 1                       |
| WORK BY PUPILS.        |   |                                                   |
| "                      | 7 | Examination Papers. 13                            |

| DRAWING BY PUPILS. |    |                                                        |
|--------------------|----|--------------------------------------------------------|
| G                  | 8  | Brush drawing. 5                                       |
| "                  | 9  | Pencil drawing. 2                                      |
| "                  | 10 | ditto 2                                                |
| "                  | 11 | Anatomical chart of Zoology and Botany. 12             |
| SEWING BY PUPILS.  |    |                                                        |
| "                  | 12 | Marukuke (a kind of padded belt). 1                    |
| "                  | 13 | Model of <i>juban</i> (under-garment) for gentlemen. 1 |
| "                  | 14 | Model of <i>naga-juban</i> (long un-                   |

|   |    |                                                           |        |   |    |                                                             |        |
|---|----|-----------------------------------------------------------|--------|---|----|-------------------------------------------------------------|--------|
|   |    | der-garment) for ladies.                                  | 1      |   |    | (a kind of pantaloons).                                     | 1 pair |
| F | 15 | Model of <i>hitoye</i> (summer garment).                  | 1      | G | 34 | <i>Juban</i> (under-garment).                               | 1      |
| " | 16 | ditto                                                     | 1      | " | 35 | <i>Awase</i> (lined garment).                               | 4      |
| " | 17 | Model of <i>awase</i> (lined garment).                    | 1      | " | 36 | <i>Wataire</i> (padded garment).                            | 2      |
| " | 18 | ditto                                                     | 1      | " | 37 | <i>Haori</i> (coat).                                        | 2      |
| " | 19 | ditto                                                     | 1      | " | 38 | <i>Hakama</i> (a kind of trousers).                         | 2      |
| " | 20 | Model of <i>wataire</i> (padded garment).                 | 1      | " | 39 | <i>Hakama</i> (a kind of trousers) for children.            | 1      |
| " | 21 | Model of padded garments for gentlemen.                   | 1 suit | " | 40 | <i>Obi</i> (belt) for gentlemen.                            | 1      |
| " | 22 | Model of padded garments for children.                    | 1      | " | 41 | ditto                                                       | 1      |
| " | 23 | Model of <i>haori-kappa</i> (a kind of water proof coat). | 1      | " | 42 | <i>Obi</i> (belt) for ladies.                               | 1      |
| " | 24 | Model of <i>haori</i> (coat).                             | 1      | " | 43 | Model of <i>kosode</i> (padded silk garments) for children. | 1 suit |
| " | 25 | ditto                                                     | 1      | " | 44 | Model of ceremonial dress for boys.                         | 1      |
| " | 26 | Model of <i>hifu</i> (a kind of coat).                    | 1      | " | 45 | ditto                                                       | "      |
| " | 27 | Model of <i>hakama</i> (a kind of trousers).              | 1      | " | 46 | <i>Kosode</i> (padded silk garment) for boys.               | "      |
| " | 28 | ditto                                                     | 1      | " | 47 | <i>Tabi</i> (socks).                                        | 1      |
| " | 29 | Model of <i>obi</i> (belt) for gentlemen.                 | 1      | " | 48 | ditto                                                       | 1      |
| " | 30 | Model of <i>obi</i> (belt) for ladies.                    | 1      | " | 49 | ditto                                                       | 2      |
| " | 31 | Model of <i>tabi</i> (socks).                             | 1      | " | 50 | ditto                                                       | 1      |
| " | 32 | Model of <i>kyahan</i> (leggings).                        | 1      | " | 51 | Shirt.                                                      | 1      |
| " | 33 | Model of <i>momohiki</i>                                  | 1      | " | 52 | Trousers.                                                   | 1      |
|   |    |                                                           |        | " | 53 | <i>Yogi</i> (bed covering).                                 | 1      |
|   |    |                                                           |        | " | 54 | ditto                                                       | 1 set  |

## HANDIWORK BY PUPILS.

|    |    |                                             |   |
|----|----|---------------------------------------------|---|
| G  | 55 | Embroidery.                                 | 1 |
| .. | 56 | Purse.                                      | 1 |
| .. | 57 | ditto                                       | 1 |
| .. | 58 | ditto                                       | 1 |
| .. | 59 | <i>Yodarekake</i> (bib).                    | 1 |
| .. | 60 | ditto                                       | 1 |
| .. | 61 | ditto                                       | 1 |
| .. | 62 | <i>Zukin</i> (hood).                        | 1 |
| .. | 63 | ditto                                       | 1 |
| .. | 64 | ditto                                       | 1 |
| .. | 65 | <i>Fukusa</i> (cloth used<br>for wrapping). | 1 |
| .. | 66 | <i>Oshiye</i> (raised fancy<br>work).       | 1 |
| .. | .. | ditto                                       | 1 |

## HANDIWORK BY PUPILS.

|    |    |                                                                               |   |
|----|----|-------------------------------------------------------------------------------|---|
| .. | 67 | Spoon.                                                                        | 1 |
| .. | 68 | Tea-ladle.                                                                    | 1 |
| .. | 69 | Tooth-pick box.                                                               | 1 |
| .. | 70 | Stand for resting<br>chop-sticks.                                             | 1 |
| .. | 71 | Kettle-stand.                                                                 | 1 |
| .. | 72 | Flower-vase stand.                                                            | 1 |
| .. | 73 | <i>Fudezutsu</i> (box for<br>resting writing<br>brushes).                     | 1 |
| .. | 74 | <i>Hai-fuki</i> (section of<br>bamboo for put-<br>ting tobacco-<br>ashes in). | 1 |
| .. | 75 | <i>Chabon</i> (tea-tray).                                                     | 1 |
| .. | 76 | Letter holder.                                                                | 1 |
| .. | 77 | <i>Uo-aburi</i> (instrument<br>for roasting fish).                            | 1 |
| .. | 78 | <i>Jōgo</i> (funnel).                                                         | 1 |

|    |    |                                                                                                             |   |
|----|----|-------------------------------------------------------------------------------------------------------------|---|
| G  | 79 | <i>Goma-iri</i> (instru-<br>ment for parch-<br>ing <i>Sesamum</i><br><i>Orientalis</i> ).                   | 1 |
| .. | 80 | Water-pot used in<br>school-room.                                                                           | 1 |
| .. | 81 | <i>Hibashi</i> (tongs).                                                                                     | 1 |
| .. | 82 | <i>Hainarashi</i> (instru-<br>ment for leveling<br>the ashes).                                              | 1 |
| .. | 83 | <i>Meshakushi</i> (a kind<br>of ladle).                                                                     | 1 |
| .. | 84 | Accompaniment to<br>a <i>jōbako</i> (box for<br>keeping letters<br>when sent by a<br>messenger).            | 1 |
| .. | 85 | Accompaniment to<br>a luncheon box.                                                                         | 1 |
| .. | 86 | <i>Mitsumegiri</i> (tri-<br>angular-shaped<br>drill).                                                       | 1 |
| .. | 87 | Knife.                                                                                                      | 1 |
| .. | 88 | <i>Jizaigotoku</i> (stand<br>for boiling<br>water in a kettle).                                             | 1 |
| .. | 89 | <i>Fude-arai</i> (dish for<br>washing writing<br>brushes).                                                  | 1 |
| .. | 90 | Paper weight.                                                                                               | 1 |
| .. | 91 | <i>Okimono</i> (article<br>placed on the<br>raised part of<br>the main room<br>for ornamental<br>purposes). | 1 |
| .. | 92 | <i>Inniku-ire</i> (box for<br>keeping <i>inniku</i> ,                                                       |   |



|       |                                                                          |       |                                                                                        |
|-------|--------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------|
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| „ 128 | “Shotō Rikagaku Kyōkasho” (Elementary Geometry), by Dr. Kikuchi. 1 vol.  | „ 138 | “Futsū Seirigaku Kyōkasho” (Physiology), by M. Katayama. 1 vol.                        |
| „ 129 | “Shōyō Boki-hō” (Commercial Book-keeping), by H. Taketa. 1 „             | „ 139 | “Futsū Shokubutsugaku Kyōkasho” (Botany), by M. Miyoshi. 1 „                           |
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|           |                                                                                                          | „ 255     | Coat.                                        | 1      |
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|           |                                                                                                          | „ 261     | Stockings.                                   | 1      |
|           |                                                                                                          | „ 262     | Cap.                                         | 1      |
|           |                                                                                                          | „ 263     | Bōshiōi (cloth covering for cap).            | 1      |



|                                                       |                                                              |         |                               |                                                                             |         |
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| „ 266                                                 | Coat.                                                        | 1       | „ 291                         | ditto                                                                       | 1 vol.  |
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| „ 268                                                 | Summer under-garment.                                        | 1 „     | „ 292                         | Box for visiting cards.                                                     | 1       |
| „ 269                                                 | <i>Kyahan</i> (leggings).                                    | 1       | „ 293                         | Lamp stand.                                                                 | 1       |
| „ 270                                                 | Stockings.                                                   | 1       | „ 294                         | Lantern.                                                                    | 1       |
| „ 271                                                 | Shoes.                                                       | 1       | „ 295                         | Box for putting tea in.                                                     | 1       |
| <b>PLANS, PHOTOGRAPHS, ETC., OF SCHOOL BUILDINGS.</b> |                                                              |         | „ 296                         | <i>Hibashi</i> (a kind of tongs).                                           | 1       |
| „ 272                                                 | Map showing the sites of schools in the Prefecture of Akita. | 1       | „ 297                         | ditto                                                                       | 1       |
| „ 273                                                 | Photograph of school buildings.                              | 3       | „ 298                         | <i>Santoku</i> (three-legged iron stand used when boiling tea in a kettle). | 1       |
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| „ 276                                                 | ditto                                                        | 8       | „ 301                         | Paper weight.                                                               | 1       |
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|       |                                                                                   |   |       |                                                              |   |
|-------|-----------------------------------------------------------------------------------|---|-------|--------------------------------------------------------------|---|
| G 312 | Octangular piece of wood.                                                         | 1 |       | cut both vertically and horizontally.                        | 3 |
| „ 313 | Straight ruler.                                                                   | I | G 330 | Looking-glass frame.                                         | 1 |
| „ 314 | Wood for engraving.                                                               | 1 | „ 331 | <i>Tabako-bon</i> (box in which smoking utensils are kept).  | 3 |
| „ 315 | <i>Chiyegi</i> (toy).                                                             | 1 | „ 332 | <i>Bon</i> (round tray).                                     | 3 |
| „ 316 | <i>Jōbako</i> (letter box).                                                       | I | „ 333 | <i>Suzuri-bako</i> (box in which writing utensils are kept). | 3 |
| „ 317 | Box for cigarettes.                                                               | 1 | „ 334 | <i>Fudetate</i> (box for writing brushes).                   | 3 |
| „ 318 | <i>Tabako-bon</i> (box in which smoking utensils are kept).                       | 1 | „ 335 | <i>Kake-hanaike</i> (hanging flower-vase).                   | 1 |
| „ 319 | <i>Hon-basami</i> (book holder).                                                  | 1 | „ 336 | <i>Cha-hishaku</i> (tea-ladle).                              | 1 |
| „ 320 | Triangular ruler.                                                                 | 1 | „ 337 | Looking-glass.                                               | 1 |
| „ 321 | <i>Tsunagi-kuchikata</i> (a piece of jointed wood).                               | 1 | „ 338 | Clay-work.                                                   | 4 |
| „ 322 | <i>Ori-tehon-ōi</i> (copy-book holder).                                           | 1 | „ 339 | ditto.                                                       | 4 |
| „ 323 | <i>Inniku-ire</i> (box for holding <i>inniku</i> , ink for sealing and stamping). | 1 | „ 340 | <i>Mizu-ire</i> (water-pot).                                 | 1 |
| „ 324 | <i>Suzuri-bako</i> (box in which writing utensils are kept).                      | 1 | „ 341 | Box for soap.                                                | 1 |
| „ 325 | <i>Sumioki-dai</i> (stand for putting Indian-ink on).                             | 1 | „ 342 | <i>Cha-zutsu</i> (tea-box).                                  | 1 |
| „ 326 | <i>Cha-bon</i> (tea-tray).                                                        | 1 | „ 343 | A small lamp.                                                | 1 |
| „ 327 | <i>Suzuri-dai</i> (stand for ink-stone).                                          | 1 | „ 344 | <i>Suzuri-bako</i> (box in which writing utensils are kept). | 3 |
| „ 328 | <i>Kumoita</i> (a kind of tablet frame).                                          | 1 | „ 345 | Tablet frame.                                                | 3 |
| „ 329 | A piece of wood in which lines are                                                |   | „ 346 | Retort stand.                                                | 3 |
|       |                                                                                   |   | „ 347 | Air-gun.                                                     | 1 |
|       |                                                                                   |   | „ 348 | <i>Tombo</i> (dragon-fly).                                   | 1 |
|       |                                                                                   |   | „ 349 | Instrument for testing the power of velocity.                | 1 |
|       |                                                                                   |   | „ 350 | Apparatus for holding tubes used in chemical experiments.    | 1 |

|           |                                                                      |   |           |                                                                      |   |
|-----------|----------------------------------------------------------------------|---|-----------|----------------------------------------------------------------------|---|
| G 351     | Apparatus for testing inertia.                                       | 1 |           | experiments in physics.                                              | 1 |
| „ 352     | Apparatus for testing elasticity.                                    | 1 | G 377-379 | (Withdrawn).                                                         |   |
| „ 353     | Right-angled triangle.                                               | 1 | „ 380     | Ladle.                                                               | 1 |
| „ 354     | Pentagon.                                                            | 1 | „ 381-382 | (Withdrawn).                                                         |   |
| „ 355     | Parallelogram.                                                       | 1 | „ 383     | Plane wood.                                                          | 1 |
| „ 356     | Cube.                                                                | 1 | „ 384     | Ruler.                                                               | 1 |
| „ 357     | Square column.                                                       | 1 | „ 385     | Geometrical figure.                                                  | 1 |
| „ 358     | Conic section.                                                       | 1 | „ 386     | ditto                                                                | 1 |
| „ 359     | Round column.                                                        | 1 | „ 387     | ditto                                                                | 1 |
| „ 360     | Kindergarten gifts.                                                  | 4 | „ 388     | ditto                                                                | 1 |
| „ 361     | Letter-holder.                                                       | 1 | „ 389     | ditto                                                                | 3 |
| „ 362     | Box for <i>jiku</i> (a pair of sticks on which a picture is rolled). | 1 | „ 390     | Model of box showing joinery.                                        | 1 |
| „ 363     | Box for keeping seals and stamps.                                    | 1 | „ 391     | Box for keeping paper, etc.                                          | 2 |
| „ 364     | Kettle stand.                                                        | 1 | „ 392     | Ampère's apparatus.                                                  |   |
| „ 365     | <i>Mokura</i> (pillow).                                              | 1 | „ 393-397 | (Withdrawn).                                                         |   |
| „ 366     | Apparatus for the analysis of water.                                 | 1 | „ 398     | Gate card.                                                           | 1 |
| „ 367-368 | (Withdrawn).                                                         | 1 | „ 399     | <i>Hagoita</i> (battledoor).                                         | 1 |
| „ 369     | <i>Tabako-bon</i> (box in which smoking utensils are kept).          | 3 | „ 400     | Ruler.                                                               | 1 |
| „ 370     | Letter holder.                                                       | 1 | „ 401     | Wood joinery.                                                        | 1 |
| „ 371     | Tobacco box.                                                         | 2 | „ 402     | Small box.                                                           | 1 |
| „ 372     | Model of joinery.                                                    | 2 | „ 403     | Luncheon box.                                                        | 1 |
| „ 373     | (Withdrawn).                                                         |   | „ 404     | Wood joinery.                                                        | 1 |
| „ 374     | <i>Fudetate</i> (box for resting writing brushes).                   | 1 | „ 405     | <i>Tabako-bon</i> (box in which smoking utensils are kept).          | 1 |
| „ 375     | Candlestick.                                                         | 1 | „ 406     | <i>Manaita</i> (board for cutting and cleansing culinary materials). | 1 |
| „ 376     | Apparatus for easy                                                   |   | „ 407     | Tablet frame.                                                        | 1 |
|           |                                                                      |   | „ 408-409 | (Withdrawn).                                                         |   |

|           |                                                                                              |   |       |                                                                         |    |
|-----------|----------------------------------------------------------------------------------------------|---|-------|-------------------------------------------------------------------------|----|
| G 410-413 | (Withdrawn).                                                                                 |   | G 428 | Test tube stand.                                                        | 1  |
| „ 414     | <i>Kakefuda</i> (a tablet hung at the gate).                                                 | 4 | „ 429 | Box for keeping <i>tōfu</i> (a kind of bean-curd).                      | 1  |
| „ 415     | <i>Shokubutsuyen hyōsatsu</i> (a tablet hung at the gate of a botanic garden).               | 4 | „ 430 | Needle holder.                                                          | 1  |
| „ 416     | <i>Naruko</i> (a kind of scarecrow which makes a noise).                                     | 1 | „ 431 | <i>Suzuri-bako</i> (box in which writing utensils are kept) for pupils. | 1  |
| „ 417     | Board for making paste on, with a spatula.                                                   | 1 | „ 432 | <i>Suzuri-bako</i> for home use by the family.                          | 1  |
| „ 418     | Ruler.                                                                                       | 1 | „ 433 | <i>Tabako-bon</i> (box in which smoking utensils are kept).             | 1  |
| „ 419     | Box for putting in various kinds of clothes, used by young ladies.                           | 1 | „ 434 | Luncheon box.                                                           | 1  |
| „ 420     | <i>Tsukegi-ire</i> (a kind of match holder).                                                 | 1 | „ 435 | <i>Tabako-bon</i> (box in which smoking utensils are kept).             |    |
| „ 421     | Box for keeping rice-bran.                                                                   | 1 | „ 436 | Stand in the shape of a ship for sharpening pencils.                    | 1  |
| „ 422     | Box in which <i>katsuo-bushi</i> (the flesh of the bonito dried and smoked) is to be sliced. | 2 | „ 437 | Apparatus for calculation of fractional numbers.                        | 1  |
| „ 423     | Box for keeping matches in.                                                                  | 1 | „ 438 | Kitchen utensils.                                                       | 15 |
| „ 424     | Stand for resting tubes used in chemical experiments.                                        | 1 | „ 439 | Household furniture.                                                    | 12 |
| „ 425     | Kindergarten gifts.                                                                          | 2 | „ 440 | Writing utensils.                                                       | 7  |
| „ 426     | ditto                                                                                        | 1 | „ 441 | Toys.                                                                   | 20 |
| „ 427     | ditto                                                                                        | 1 | „ 442 | Geometrical figure.                                                     | 35 |
|           |                                                                                              |   | „ 443 | Cube.                                                                   | 14 |
|           |                                                                                              |   | „ 444 | <i>Manaita</i> (board for cutting and cleansing culinary materials).    | 1  |
|           |                                                                                              |   | „ 445 | Wooden hammer.                                                          | 1  |
|           |                                                                                              |   | „ 446 | Box for sharpening pencils.                                             | 1  |

|        |                                                                   |   |        |                                                             |   |
|--------|-------------------------------------------------------------------|---|--------|-------------------------------------------------------------|---|
| G 447  | <i>Suzuri-bako</i> (box in which writing utensils are kept).      |   | G 469  | Geometrical figures.                                        | 5 |
| „ 448  | <i>Tabako-bon</i> (box in which smoking utensils are kept).       | 1 | „ 470  | Revolving reflection mirror.                                | 1 |
| „ 449  | Box for keeping paper in.                                         | 1 | „ 471  | Electroscope.                                               | 1 |
| „ 450  | Small box with lid.                                               | 1 | „ 472  | (Withdrawn).                                                | 1 |
| „ 451  | Box with lid for keeping white and black pencils.                 | 1 | „ 473  | Battery.                                                    | 1 |
| „ 452  | Ruler.                                                            | 2 | „ 474  | Tablet frame.                                               | 1 |
| „ 453  | Apparatus for testing the power of gravity.                       | 1 | „ 475  | Box for collecting insects.                                 | 1 |
| „ 454  | Tray.                                                             | 1 | „ 476  | Ruler.                                                      | 1 |
| „ 455  | <i>Hai-fuki</i> (section of bamboo for putting in tobacco ashes). | 1 | „ 477  | ditto                                                       | 1 |
| „ 456  | Cup.                                                              | 1 | „ 478  | ditto                                                       | 1 |
| „ 457  | Tea box.                                                          | 1 | „ 479  | ditto                                                       | 1 |
| „ 458  | Saucer.                                                           | 1 | „ 480  | Capstan.                                                    | 1 |
| „ 459  | Metal cup.                                                        | 1 | „ 481  | Inclined tower.                                             | 1 |
| „ 460  | Paper weight.                                                     | 1 | „ 482  | Ruler.                                                      | 1 |
| „ 461– | (Withdrawn).                                                      |   | „ 483  | Pendulum.                                                   | 1 |
| „ 462  |                                                                   |   | „ 484  | Inclined plane.                                             | 1 |
| „ 463  | Angular column.                                                   | 2 | „ 485  | Level.                                                      | 1 |
| „ 464  | Box for sharpening pencils.                                       | 1 | „ 486  | Apparatus for testing the power of gravity.                 | 1 |
| „ 465  | <i>Suzuri-bako</i> (box in which writing utensils are kept).      | 1 | „ 487  | Apparatus for testing central gravity.                      | 1 |
| „ 466  | <i>Shichishoku-koma</i> (top).                                    | 1 | „ 488– | (Withdrawn).                                                |   |
| „ 467  | Ruler.                                                            | 2 | „ 492  |                                                             |   |
| „ 468  | <i>Konrintsugi</i> (wood joinery).                                | 1 | „ 493  | Wood joinery.                                               | 1 |
|        |                                                                   |   | „ 494  | ditto                                                       | 1 |
|        |                                                                   |   | „ 495  | ditto                                                       | 1 |
|        |                                                                   |   | „ 496  | ditto                                                       | 1 |
|        |                                                                   |   | „ 497  | ditto                                                       | 1 |
|        |                                                                   |   | „ 498  | ditto                                                       | 1 |
|        |                                                                   |   | „ 499  | <i>Tabako-bon</i> (box in which smoking utensils are kept). | 1 |
|        |                                                                   |   | „ 500  | <i>Hagoita</i> (battle-door).                               | 1 |
|        |                                                                   |   | „ 501  | (Withdrawn).                                                | 1 |



|           |                                                              |   |           |                                                              |   |
|-----------|--------------------------------------------------------------|---|-----------|--------------------------------------------------------------|---|
| G 502     | <i>Kukedai</i> (instrument for sewing).                      | 1 | G 530     | (Withdrawn).                                                 | 1 |
| „ 503     | <i>Suzuri-bako</i> (box in which writing utensils are kept). |   | „ 531     | Ladle.                                                       | 1 |
| „ 504     | Compass.                                                     | 1 | „ 532     | Lamp stand.                                                  | 1 |
| „ 505-510 | (Withdrawn).                                                 |   | „ 533     | Hexagonal box.                                               | 1 |
| „ 511     | Skewer.                                                      | 1 | „ 534     | Hexagonal jar.                                               | 1 |
| „ 512     | Chopsticks.                                                  | 1 | „ 535     | Letter holder.                                               | 1 |
| „ 513     | Needle for making nets.                                      | 1 | „ 536     | Photograph holder.                                           | 1 |
| „ 514     | Indian-ink holder.                                           | 1 | „ 537     | Ruler.                                                       | 1 |
| „ 515     | Water pot.                                                   | 1 | „ 538     | Apparatus for easy experiments in physics.                   | 6 |
| „ 516     | Spoon.                                                       | 1 | „ 539-545 | (Withdrawn).                                                 |   |
| „ 517     | Thread spool.                                                | 1 |           | <b>WORK BY TEACHERS.</b>                                     |   |
| „ 518     | <i>Hainarashi</i> (instrument for leveling ashes).           | 1 | „ 546     | Wood for engraving.                                          |   |
| „ 519     | Board for making paste on.                                   | 1 | „ 547     | ditto                                                        | 1 |
| „ 520     | Kettle lid.                                                  | 1 | „ 548     | Piece of wood on which lines are cut.                        | 1 |
| „ 521     | <i>Suzuri-bako</i> (box in which writing utensils are kept). |   | „ 549     | ditto                                                        | 1 |
| „ 522     | Stand for resting flower-vase.                               | 1 | „ 550     | ditto                                                        | 1 |
| „ 523     | <i>Chiritori</i> (a kind of dust pan).                       | 1 | „ 551     | ditto                                                        | 1 |
| „ 524     | <i>Tabako-bon</i> (box in which smoking utensils are kept).  | 1 | „ 552     | Wood joinery.                                                | 1 |
| „ 525     | Wooden hammer.                                               | 1 | „ 553     | ditto                                                        | 1 |
| „ 526     | Board on which drawing is done.                              | 1 | „ 554     | Piece of wood in which several holes are cut.                | 1 |
| „ 527     | Test-tube stand.                                             | 1 | „ 555     | Small box.                                                   | 1 |
| „ 528     | Tablet frame.                                                | 1 | „ 556     | Box.                                                         | 1 |
| „ 529     | Lamp stand.                                                  | 1 | „ 557     | <i>Tabako-bon</i> (box in which smoking utensils are kept).  | 1 |
|           |                                                              |   | „ 558     | Test tube stand.                                             |   |
|           |                                                              |   | „ 459     | Small box.                                                   | 1 |
|           |                                                              |   | „ 560     | Tray.                                                        | 1 |
|           |                                                              |   | „ 561     | <i>Suzuri-bako</i> (box in which writing utensils are kept). | 1 |

|       |                                                                           |   |                        |                                     |        |
|-------|---------------------------------------------------------------------------|---|------------------------|-------------------------------------|--------|
| G 562 | <i>Tabako-bon</i> (box in which smoking utensils are kept).               | 1 | G 579                  | Ditto (carpet).                     |        |
| „ 563 | Box with glass lid.                                                       | 1 | „ 580                  | Ditto (luncheon box).               | 1      |
| „ 564 | <i>Suzuri-bako</i> (box in which writing utensils are kept) with drawers. | 1 | „ 581                  | Ditto (a kind of cap).              | 1      |
| „ 565 | Geometrical figure.                                                       | 1 | „ 582                  | Ditto (luncheon box.)               | 1      |
| „ 566 | ditto                                                                     | 1 | <b>WORK BY PUPILS.</b> |                                     |        |
| „ 567 | ditto                                                                     | 1 | „ 583                  | Raw silk.                           | 1 case |
| „ 568 | Wood joinery.                                                             | 1 | „ 584                  | Silkworm's cocoon.                  | 1      |
| „ 569 | ditto                                                                     | 1 | „ 585                  | <i>Kusawata</i> (raw cotton).       | 1      |
| „ 570 | ditto                                                                     | 1 | „ 586                  | <i>Ai</i> (indigo).                 | 1      |
| „ 571 | ditto                                                                     | 1 | „ 587                  | Wheat.                              | 1      |
| „ 572 | Paper string work.                                                        | 1 | „ 588                  | Silkworm's cocoon.                  | 1      |
| „ 573 | ditto                                                                     | 1 | „ 589                  | Silkworm.                           | 1      |
| „ 574 | ditto                                                                     | 1 | <b>CALENDAR.</b>       |                                     |        |
| „ 575 | ditto                                                                     | 1 | „ 590                  | Calendar of Ordinary Normal School. | 1      |
| „ 576 | ditto                                                                     | 1 |                        |                                     |        |
| „ 577 | ditto                                                                     | 1 |                        |                                     |        |
| „ 578 | Ditto (hand basket).                                                      | 1 |                        |                                     |        |

## CROUP 149. CLASS 852.

## THE HIGHER NORMAL SCHOOL.

|       |                                              |           |       |                                                           |    |
|-------|----------------------------------------------|-----------|-------|-----------------------------------------------------------|----|
| G 591 | Models of wood-work in the Handiwork Course. | 42 cases. | G 593 | Handiwork Course.                                         | 16 |
| „ 592 | Drawings of specimens of wood-work in the    |           |       | Tools and apparatus for woodwork in the Handiwork Course. | 55 |



**ELEMENTARY SCHOOL AT-  
TACHED TO THE HIGHER  
NORMAL SCHOOL.**

|       |                                                                                                                                    |        |
|-------|------------------------------------------------------------------------------------------------------------------------------------|--------|
| G 594 | School regulations.                                                                                                                | 1      |
| „ 595 | Detailed items relating to teaching in the Elementary School Course.                                                               | 1      |
| „ 596 | Subjects of study in the Middle School Course.                                                                                     | 1      |
| „ 597 | Subjects of study in the Course of Drawing.                                                                                        | 1      |
| „ 598 | Items showing by practical examples the standard of instruction of Drawing in the Elementary School attached to the Normal School. | 1      |
| „ 599 | Items showing by practical examples the standard of instruction of Drawing in the Middle School Course.                            | 27     |
| „ 600 | Drawing by pupils in the Elementary School Course.                                                                                 | 47     |
| „ 601 | Drawing by pupils in the Middle School Course.                                                                                     | 35     |
| „ 602 | Instruments for drawing.                                                                                                           | 1 set. |

|       |                           |        |
|-------|---------------------------|--------|
| G 603 | Photograph.               | 1      |
| „ 604 | Botanical models.         | 2 sets |
| „ 605 | Explanation to the above. | 1      |

**SINGLE-CLASSED SCHOOL  
ATTACHED TO THE HIGHER  
NORMAL SCHOOL.**

|       |                   |        |
|-------|-------------------|--------|
| „ 606 | Report.           | 1      |
| „ 607 | Photograph.       | 1      |
| „ 608 | Sewing by pupils. | 2 sets |

**TOKYO EDUCATIONAL MU-  
SEUM ATTACHED TO  
THE HIGHER NOR-  
MAL SCHOOL.**

|       |                                                                     |          |
|-------|---------------------------------------------------------------------|----------|
| „ 609 | Photograph of the museum.                                           | 1        |
| „ 610 | Toys.                                                               | 14 kinds |
| „ 611 | Charts of morals for Elementary Course with five explanatory notes. | 55       |
| „ 612 | Chart of morals for Elementary School Course.                       |          |
| „ 613 | ditto                                                               | 1 vol.   |
| „ 614 | Zoological speci-<br>mens.                                          | 19 kinds |
| „ 615 | Botanical speci-<br>mens.                                           | 109 „    |
| „ 616 | Specimens of Japan-<br>ese timber trees.                            | 50 „     |
| „ 617 | Mineralogical speci-<br>mens.                                       | 100 „    |
| „ 618 | Models of veget-<br>ables and fruits.                               | 52       |
| „ 619 | Specimens show-<br>ing the processes                                |          |

|       |                     |        |       |                 |        |
|-------|---------------------|--------|-------|-----------------|--------|
| G 620 | of silk-worm rear-  | 1 case | G 621 | object lessons. | 1 case |
|       | ing.                |        |       | Magic lantern   |        |
|       | Specimens of        |        |       | slides.         | 100    |
|       | various objects for |        |       |                 |        |

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GROUP 149. CLASS 851.

HIGHER FEMALE NORMAL SCHOOL.

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|       |                       |        |       |                    |         |
|-------|-----------------------|--------|-------|--------------------|---------|
| G 622 | Calendar.             | 1      |       | case in pupil's    |         |
| „ 623 | Table showing the     |        |       | studio.            | 4       |
|       | organization of       |        | „ 633 | Model of pupil's   |         |
|       | the school.           | 1      |       | desk in the bio-   |         |
| „ 624 | Statistical table.    |        |       | logical class      |         |
| „ 625 | Plan of the school    |        |       | room.              | 1       |
|       | buildings.            | 1      | „ „   | Model of pupil's   |         |
| „ 626 | Photograph of the     |        |       | desk in the class  |         |
|       | school buildings.     | 1      |       | room for drawing.  | 1       |
| „ 627 | School regulations.   | 1      | „ „   | Model of pupil's   |         |
| „ 628 | Directions for pupil. | 1      |       | desk in the class  |         |
| „ 629 | Blank paper.          | 1 vol. |       | room for writing.  | 1       |
| „ 630 | Model of teacher's    |        | „ „   | Model of pupil's   |         |
|       | desk in class         |        |       | chair in the class |         |
|       | room.                 | 1      |       | rooms for writing, |         |
| „ 631 | Model of pupil's      |        |       | drawing and bio-   |         |
|       | desk and chair in     |        |       | logy.              | 1       |
|       | class room.           | 1      | „ „   | Model of desk in   |         |
| „ 632 | Model of pupil's      |        |       | the class room     |         |
|       | desk in studio.       | 2      |       | for sewing.        | 1       |
| „ „   | Model of a shelf to   |        | „ „   | Model of pupil's   |         |
|       | be placed on          |        |       | desk in the class  |         |
|       | pupil's desk in       |        |       | room for singing.  | 1       |
|       | studio.               | 1      | „ 634 | Apparatus for sew- |         |
| „ „   | Model of a book-      |        |       | ing.               | 2 cases |

|       |                                                                          |          |       |                                                                                               |        |
|-------|--------------------------------------------------------------------------|----------|-------|-----------------------------------------------------------------------------------------------|--------|
| G 635 | Apparatus for exercise.                                                  | 1 case   | G 654 | <i>Hanyeri</i> (a kind of collar) for ladies.                                                 | 1      |
|       | <b>WORK BY PUPILS.</b>                                                   |          | " 655 | <i>Juban</i> (under-garment).                                                                 | 1      |
| " 636 | Map.                                                                     |          | " 656 | <i>Hitoje</i> (summer garment).                                                               | 1      |
| " 637 | Goemetrical figure.                                                      | } 1 case | " 657 | Hand bag.                                                                                     | 1      |
| " 638 | <i>Hakama</i> (a kind of trousers).                                      |          |       | <b>GROUP 149. CLASS 842.</b>                                                                  |        |
| " 639 | <i>Haori</i> (coat).                                                     | 1        |       | <b>ELEMENTARY SCHOOL ATTACHED TO THE HIGHER FEMALE NORMAL SCHOOL.</b>                         |        |
| " 640 | <i>Shitotsumi</i> (garment for children).                                | 1        | " 658 | Regulations of the school.                                                                    | 1      |
| " 641 | <i>Sodenashi-haori</i> (coat without sleeves).                           | 1        | " 659 | Blank paper.                                                                                  | 1      |
| " 642 | <i>Yukata</i> (summer garment).                                          | 1        | " 660 | Model of desk and chair in class room for pupils in the higher course.                        | 1      |
| " 643 | Drawing.                                                                 | 1 vol.   | " 661 | Model of desk and chair in class room for pupils in the ordinary course.                      | 1      |
| " 644 | Ditto (tablet).                                                          | 1        | " 662 | Specimens showing the processes of silk-worm rearing for object teaching.                     | 1 case |
|       | <b>HIGHER FEMALE SCHOOL ATTACHED TO THE HIGHER FEMALE NORMAL SCHOOL.</b> |          | " 663 | Specimens showing the processes of making <i>fude</i> (writing brushes), for object teaching. |        |
| " 645 | Regulations of the school.                                               | 1        | " 664 | Specimens showing the processes of                                                            | "      |
| " 646 | Blank paper.                                                             | 1 vol.   |       |                                                                                               |        |
| " 647 | Model of pupil's desk and chair in class room.                           | 1        |       |                                                                                               |        |
|       | <b>WORK BY PUPILS.</b>                                                   |          |       |                                                                                               |        |
| " 648 | Drawing.                                                                 | 1        |       |                                                                                               |        |
| " 649 | Ditto (in tablet).                                                       | 5        |       |                                                                                               |        |
| " 650 | <i>Hifu</i> (a kind of coat).                                            | 1        |       |                                                                                               |        |
| " 651 | <i>Hanyeri</i> (a kind of collar for ladies).                            | 1        |       |                                                                                               |        |
| " 652 | ditto                                                                    | 1        |       |                                                                                               |        |
| " 653 | <i>Hondachi-wataire</i> (padded garment).                                | 1        |       |                                                                                               |        |

|       |                                                                                           |         |                           |                                                                                |         |
|-------|-------------------------------------------------------------------------------------------|---------|---------------------------|--------------------------------------------------------------------------------|---------|
|       | making <i>sumi</i><br>(Indian-ink), for<br>object teaching.                               |         |                           | of making tea, for<br>object teaching.                                         |         |
| „ 665 | Specimens showing<br>the processes of<br>making paper, for<br>object teaching.            |         | „ 673                     | Chart showing the<br>processes of pro-<br>ducing rice, for<br>object teaching. | 5       |
| „ 666 | Chart showing the<br>processes of mak-<br>ing paper, for ob-<br>ject teaching.            | 2       | „ 674                     | Chart showing the<br>processes of mak-<br>ing tea, for ob-<br>ject teaching.   | 2       |
| „ 667 | Chart showing the<br>processes of mak-<br>ing earthenware,<br>for object teach-<br>ing.   | 1       | <b>DRAWING BY PUPILS.</b> |                                                                                |         |
| „ 668 | Chart showing the<br>processes of mak-<br>ing lacquerware,<br>for object teach-<br>ing.   | 1       | „ 675                     | Drawing.                                                                       | 2 vols. |
| „ 669 | Chart for showing<br>the processes of<br>making earthen-<br>ware, for object<br>teaching. | 2       | „ 676                     | ditto.                                                                         | 3       |
| „ 670 | Chart for showing<br>the processes of<br>making lacquer,<br>for object teach-<br>ing.     | 2       | <b>SEWING BY PUPILS.</b>  |                                                                                |         |
| „ 671 | Specimen show-<br>ing the process-<br>es of producing<br>rice, for object<br>teaching.    | 1 case. | „ 677                     | Elementary sew-<br>ing.                                                        | 3       |
| „ 672 | Specimens show-<br>ing the processes                                                      |         | „ 678                     | <i>Kinchaku</i> (purse).                                                       | 1       |
|       |                                                                                           |         | „ 679                     | <i>Yodarekake</i> (bib).                                                       | 1       |
|       |                                                                                           |         | „ 680                     | <i>Daikoku-zukin</i> (a<br>kind of hood).                                      | 1       |
|       |                                                                                           |         | „ 681                     | <i>Juban</i> (under-gar-<br>ment).                                             | 1       |
|       |                                                                                           |         | „ 682                     | <i>Shitotsumi-hitoye</i><br>(summer gar-<br>ment for child-<br>ren).           | 1       |
|       |                                                                                           |         | „ 683                     | <i>Mitsumi-awase</i><br>(lined garment<br>for children).                       | 1       |
|       |                                                                                           |         | „ 684                     | <i>Yotsumi-hitoye</i> (sum-<br>mer garment for<br>children).                   | 1       |
|       |                                                                                           |         | „ 685                     | <i>Hondachi-awase</i><br>(lined garment<br>for gentlemen).                     | 1       |
|       |                                                                                           |         | „ 686                     | <i>Hondachi-wataire</i>                                                        |         |

|       |                                 |    |       |                                                                                |        |
|-------|---------------------------------|----|-------|--------------------------------------------------------------------------------|--------|
|       | (padded garment<br>for ladies). | 1  | G 693 | (a kind of hemp).<br>Straw work.                                               | 1<br>2 |
| G 687 | Bead-work.                      | 3  | „ 694 | Pasting.                                                                       | 2      |
| „ 688 | Embroidery.                     | 10 | „ 695 | <i>Hari-tatō</i> (a piece of<br>folded paper in<br>which needles are<br>kept). | 1      |
| „ 689 | Paper cutting.                  | 3  |       |                                                                                |        |
| „ 690 | Hand ball.                      | 3  |       |                                                                                |        |
| „ 691 | Paper folding.                  | 5  |       |                                                                                |        |
| „ 692 | Box for keeping o               |    |       |                                                                                |        |

GROUP 149. CLASS 841.

**KINDERGARTEN ATTACHED TO THE HIGHER  
FEMALE NORMAL SCHOOL.**

|       |                                                                                                            |   |       |                                             |         |
|-------|------------------------------------------------------------------------------------------------------------|---|-------|---------------------------------------------|---------|
| G 696 | Photograph of the<br>kindergarten<br>buildings (tablet).                                                   | 1 | G 699 | Blank paper.                                | 1       |
| „ 697 | Regulations of the<br>Kindergarten.                                                                        | 1 | „ 700 | Model of infant's<br>desk and chair.        | 1       |
| „ 698 | Table showing the<br>distribution of<br>the weekly hours<br>of training for<br>each group of in-<br>fants. | 1 | „ 701 | Kindergarten songs.                         | 1       |
|       |                                                                                                            |   | „ 702 | Materials for the<br>Kindergarten<br>gifts. | 1 case  |
|       |                                                                                                            |   | „ 703 | Toys.                                       | 2 cases |
|       |                                                                                                            |   | „ 704 | Specimens of work<br>done by infants.       | 2       |
|       |                                                                                                            |   | „ 705 | ditto                                       | 3 vols. |

GROUP 149. CLASS 852.

**HIGHER COMMERCIAL SCHOOL.**

|     |                      |   |  |                    |   |
|-----|----------------------|---|--|--------------------|---|
| H 1 | Schedule of studies. | 3 |  | school properties, |   |
| „ 2 | Table showing        |   |  | expenditures, etc. | 1 |





## GROUP 149. CLASS 852.

## COMMERCIAL SCHOOLS.

|   |    |                                                    |   |   |    |                                                                              |   |
|---|----|----------------------------------------------------|---|---|----|------------------------------------------------------------------------------|---|
| H | 77 | Papers for practical business purposes.            | 1 | H | 86 | Documents relating to the sale of fancy goods.                               | 1 |
| „ | 78 | Various documents in Japanese and European styles. | 8 | „ | 87 | Calendar of the Kōbe Commercial School.                                      | 1 |
| „ | 79 | Pictures of merchandise.                           |   | „ | 88 | Forms and documents used in the Practical Department.                        | 6 |
| „ | 80 | Drawing of Practical Department.                   | 1 | „ | 89 | Wholesale day-goods business.                                                | 1 |
| „ | 81 | Plan of school buildings.                          | 1 | „ | 90 | Brief description of the Akamagaseki Commercial School.                      | 1 |
| „ | 82 | Plan of Practical Department.                      | 1 | „ | 91 | Book relating to the Export of Japanese Tea to the United States of America. | 1 |
| „ | 83 | Various documents used in banks.                   | 6 |   |    |                                                                              |   |
| „ | 84 | Gentleman's furnishing business.                   | 1 |   |    |                                                                              |   |
| „ | 85 | Documents relating to retail business.             | 1 |   |    |                                                                              |   |





## GROUP 149. CLASS 852.

## TŌKYŌ TECHNICAL SCHOOL.

|   |    |                                                   |          |                                                         |                                    |
|---|----|---------------------------------------------------|----------|---------------------------------------------------------|------------------------------------|
|   |    | <b>DYENG AND WEAVING COURSE.</b>                  |          |                                                         |                                    |
| I | 1  | Photograph of the school.                         | 2        | „                                                       | 21 Potassic Iodine. 1 kilo.        |
| „ | 2  | Cloth for curtain.                                | 2        | „                                                       | 22 Purified Rape Oil. 1 „          |
| „ | 3  | Handkerchief.                                     | 12       | „                                                       | 23 Ultramarine Blue. 1 „           |
| „ | 4  | Cloth for umbrella.                               | 2        | „                                                       | 24 Fish Gelatine. 1 „              |
| „ | 5  | Specimens showing various kinds of woven cloth.   | 2 vols.  | „                                                       | 25 Copper. 2                       |
| „ | 6  | Specimens showing various kinds of printed cloth. | 2 „      | <b>COURSE OF MECHANICS.</b>                             |                                    |
|   |    | <b>EARTHENWARE COURSE.</b>                        |          | „                                                       | 26 Drawing (wood turning lathe). 1 |
| „ | 7  | <i>Ōsara</i> (plate).                             | 3        | „                                                       | 27 Ditto (slotting machine). 2     |
| „ | 8  | (Withdrawn).                                      |          | „                                                       | 28 Drawing (portable engine). 3    |
| „ | 9  | Water-pot.                                        | 1        | „                                                       | 29 Ditto (turbine). 1              |
| „ | 10 | <i>Kōro</i> (censer for burning incense).         | 1        | „                                                       | 30 Ditto (Jackard machine). 1      |
| „ | 11 | <i>Chūsara</i> (plate).                           | 4        | <b>SPECIMENS OF WOOD WORK IN THE MECHANICAL COURSE.</b> |                                    |
| „ | 12 | Flower-vase.                                      | 2        | „                                                       | 31 Joints. 14                      |
| „ | 13 | (Withdrawn).                                      |          | „                                                       | 32 Handles. 3                      |
| „ | 14 | (Withdrawn).                                      |          | „                                                       | 33 Wooden tray. 1                  |
| „ | 15 | Large basin.                                      | 1        | „                                                       | 34 Table. 1                        |
| „ | 16 | (Withdrawn).                                      |          | „                                                       | 35 Pulleys. 1 set.                 |
| „ | 17 | Flower-vase.                                      | 1        | „                                                       | 36 Worm and worm-wheels. 1 „       |
| „ | 18 | <i>Kōro</i> (censer for burning insense).         | 1        | „                                                       | 37 Spur wheels. 1 „                |
| „ | 19 | Ornamental article.                               | 1        | „                                                       | 38 Bevel wheels. 1 „               |
|   |    | <b>COURSE OF APPLIED CHEMISTRY.</b>               |          | „                                                       | 39 Plumber block. 1 „              |
| „ | 20 | Iodine.                                           | 2 kilos. | „                                                       | 40 Cock. 1 „                       |
|   |    |                                                   |          | „                                                       | 41 Valve. 1 „                      |
|   |    |                                                   |          | „                                                       | 42 Piston. 1 „                     |

|   |    |                                            |         |   |    |                                            |        |
|---|----|--------------------------------------------|---------|---|----|--------------------------------------------|--------|
| I | 43 | Air hole grates.                           | 3 sets. | I | 63 | Air chamber.                               | 1      |
|   |    | <b>CAST-WORK IN THE MECHANICAL COURSE.</b> |         |   |    |                                            |        |
| „ | 44 | Air hole grates.                           | 3 sets. | „ | 64 | Model of boiler.                           | 1      |
| „ | 45 | Gun-metal chain.                           | 1 „     | „ | 65 | Cap of newel.                              | 2      |
| „ | 46 | Pulley.                                    | 1 „     | „ | 66 | Flower-vase.                               | 1      |
| „ | 47 | Worm and worm-wheel.                       | 1 „     | „ | 67 | Serileer blocks.                           | 2      |
| „ | 48 | Spur wheels.                               | 1 „     | „ | 68 | Straight edge and square.                  | 2      |
| „ | 49 | Bevel wheels.                              | 1 „     | „ | 69 | Calipers.                                  | 2      |
| „ | 50 | Japanese tea-pot.                          | 1       | „ | 70 | Gauges.                                    | 1 set. |
| „ | 51 | Flower-vase.                               | 2       | „ | 71 | Ball valve.                                | 1      |
|   |    | <b>SMITHY IN THE MECHANIC COURSE.</b>      |         | „ | 72 | Surface plate.                             | 1      |
| „ | 52 | Chisel (Japanese form).                    | 9       | „ | 73 | Injector.                                  | 1      |
| „ | 53 | Hammers.                                   | 4       | „ | 74 | Model of link motion.                      | 1      |
| „ | 54 | Bolts and nuts.                            | 3 sets. | „ | 75 | Model of Houldworth's differential motion. | 1      |
| „ | 55 | Crank shaft.                               | 1       | „ | 76 | <i>Zaguri</i> (hand winder).               | 1      |
| „ | 56 | Spanner.                                   | 3       | „ | 77 | Model of winder.                           | 1      |
| „ | 57 | Spring.                                    | 3       | „ | 78 | Model of re-winder.                        | 1      |
| „ | 58 | Japanese sword.                            | 2       |   |    | <b>DRAWING.</b>                            |        |
| „ | 59 | Rivettted joint.                           | 15      | „ | 79 | Instrumental drawing.                      | 10     |
| „ | 60 | Boiler tube fittings.                      | 1       | „ | 80 | Mechanical drawing.                        | 16     |
|   |    | <b>COPPER WORK IN THE MECHANIC COURSE.</b> |         | „ | 81 | Designs for dyeing, weaving, and pottery.  | 16     |
| „ | 61 | Lead pipe joints.                          | 3       | „ | 82 | (Withdrawn).                               |        |
| „ | 62 | Copper spiral pipe.                        | 1       |   |    |                                            |        |

# APPRENTICE'S SCHOOL ATTACHED TO THE TŌKYŌ TECHNICAL SCHOOL.

| WOOD-WORK COURSE. |    |                                                                                                                                                             |    | METAL-WORK COURSE. |     |                                                   |         |
|-------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------|-----|---------------------------------------------------|---------|
| I                 | 83 | Knob.                                                                                                                                                       | 2  | I                  | 98  | Round stand.                                      | 2       |
| „                 | 84 | Tray for cakes.                                                                                                                                             | 2  | „                  | 99  | Fire-shovel.                                      | 1       |
| „                 | 85 | Tobacco box.                                                                                                                                                | 1  | „                  | 100 | Pulley.                                           | 2       |
| „                 | 86 | Ball.                                                                                                                                                       | 1  | „                  | 101 | Pan.                                              | 2       |
| „                 | 87 | Ring.                                                                                                                                                       | 1  | „                  | 102 | Instrument for<br>leveling ashes.                 | 1       |
| „                 | 88 | Tea-cup stand.                                                                                                                                              | 2  | „                  | 103 | ditto                                             | 1       |
| „                 | 89 | Tea-tray.                                                                                                                                                   | 2  | „                  | 104 | <i>Amishakushi</i> (a kind<br>of net-work ladle). | 1       |
| „                 | 90 | Box in which<br>smoking utensils<br>are kept.                                                                                                               | 1  | „                  | 105 | Ladle.                                            | 1       |
| „                 | 91 | ditto                                                                                                                                                       | 1  | „                  | 106 | Tea-cup stand.                                    | 1       |
| „                 | 92 | <i>Kibana</i> (wooden<br>supporter).                                                                                                                        | 1  | „                  | 107 | Indian-ink stand.                                 | 1       |
| „                 | 93 | Specimens of <i>ram-<br/>ma-sukashi</i> (open<br>ornamental work<br>over the screens<br>which form the<br>partitions be-<br>tween the rooms<br>of a house). | 2  | „                  | 108 | Latch.                                            | 1       |
| „                 | 94 | Specimens showing<br>various kinds of<br>wood joints.                                                                                                       | 12 | „                  | 109 | Handle.                                           | 2       |
| „                 | 95 | Specimens of<br>wooden joints.                                                                                                                              | 1  | „                  | 110 | Hinges.                                           | 2 sets. |
| „                 | 96 | Specimens of <i>karato</i><br>(door in Chinese<br>style).                                                                                                   | 1  | „                  | 111 | Cup for rinsing the<br>mouth.                     | 1       |
| „                 | 97 | Specimen of <i>shōji</i><br>(sliding screen).                                                                                                               | 1  | „                  | 112 | Bent nails.                                       | 2       |
|                   |    |                                                                                                                                                             |    | „                  | 113 | <i>Kasugai</i> (a kind of<br>of clamps).          | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 114 | Ring.                                             | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 115 | Chain.                                            | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 116 | Tongs.                                            | 2       |
|                   |    |                                                                                                                                                             |    | „                  | 117 | Ruler.                                            | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 118 | Calipers.                                         | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 119 | <i>Rasen</i> (screw).                             | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 120 | <i>Merasen</i> (a kind of<br>screw).              | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 121 | Screw driver.                                     | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 122 | Tongs.                                            | 1       |
|                   |    |                                                                                                                                                             |    | „                  | 123 | Nail extractors.                                  | 1       |

|       |                                  |         |       |                                                                                        |   |
|-------|----------------------------------|---------|-------|----------------------------------------------------------------------------------------|---|
| I 124 | Specimens of sur-<br>face plate. | 2       | I 137 | Calipers.                                                                              | 2 |
| „ 125 | Tongs.                           | 1 set.  | „ 138 | Hand drill.                                                                            | 1 |
| „ 126 | Hinges.                          | 1 „     | „ 139 | Brace.                                                                                 | 1 |
| „ 127 | Handles.                         | 2 sets. | „ 140 | Cocks.                                                                                 | 2 |
| „ 128 | Lock.                            | 2       | „ 141 | Capstan.                                                                               | 1 |
| „ 129 | Tea-kettle.                      | 1       | „ 142 | <i>Chōzubachi</i> (basin of<br>water for washing<br>the hands kept<br>near the privy). | 1 |
| „ 130 | Iron-kettle.                     | 1       | „ 143 | Easy printing<br>machine.                                                              | 1 |
| „ 131 | Hook.                            | 1       | „ „   | Drawing.                                                                               | 4 |
| „ 132 | Hammer.                          | 1       | „ 144 | Bell-tower.                                                                            | 1 |
| „ 133 | Broad-axe.                       | 1       |       |                                                                                        |   |
| „ 134 | Chisels.                         | 2       |       |                                                                                        |   |
| „ 135 | Ruler.                           | 1       |       |                                                                                        |   |
| „ 136 | ditto                            | 1       |       |                                                                                        |   |

GROUP 149. CLASS 852.

TECHNICAL SCHOOL IN THE PREFECTURE  
OF ISHIKAWA.

|       |                                                                                                       |   |       |                                                                                    |   |
|-------|-------------------------------------------------------------------------------------------------------|---|-------|------------------------------------------------------------------------------------|---|
| I 145 | Drawing (in folding<br>screens).                                                                      | 4 | I 151 | Ornamental article.                                                                | 1 |
| „ 146 | Clay works (tablet).                                                                                  | 1 | „ 152 | Photograph holder.                                                                 | 1 |
| „ 147 | A kind of orna-<br>mental article.                                                                    | 1 | „ 153 | Tray.                                                                              | 1 |
| „ 148 | Tame Goose.                                                                                           | 1 | „ 154 | ditto                                                                              | 1 |
| „ 149 | Small ornamental<br>article.                                                                          | 1 | „ 155 | ditto                                                                              | 1 |
| „ 150 | <i>Saru-mawashi</i> (one<br>who leads a mon-<br>key about to<br>show his tricks<br>for a livelihood). | 1 | „ 156 | ditto                                                                              | 1 |
|       |                                                                                                       |   | „ 157 | <i>Nikuchi</i> (small box<br>for keeping ink<br>used for sealing<br>and stamping). | 1 |
|       |                                                                                                       |   | „ 158 | ditto                                                                              | 1 |
|       |                                                                                                       |   | „ 159 | Tray.                                                                              | 1 |
|       |                                                                                                       |   | „ 160 | Cigarette box.                                                                     | 1 |

|                    |                                              |        |       |                                                          |   |
|--------------------|----------------------------------------------|--------|-------|----------------------------------------------------------|---|
| I 161              | Engraving.                                   | 1      | I 191 | Tray.                                                    | 1 |
| „ 162              | ditto                                        | 1      | „ 192 | Cigarette box.                                           | 1 |
| „ 163              | Flower-vase.                                 | 2      | „ 193 | Tray.                                                    | 5 |
| „ 164              | ditto                                        | 2      | „ 194 | ditto                                                    | 5 |
| „ 165              | Plate.                                       | 1      | „ 195 | ditto                                                    | 4 |
| „ 166              | Coffee plates and cups.                      | 1 set. | „ 196 | ditto                                                    | 1 |
| „ 167 <sup>a</sup> | A pair of basins.                            | 1 „    | „ 197 | ditto                                                    | 1 |
| „ 167 <sup>b</sup> | A square shaped plate.                       | 1      | „ 198 | Tray for censer.                                         | 1 |
| „ 168              | Plates for cakes.                            | 2      | „ 199 | (Withdrawn).                                             |   |
| „ 169              | <i>Kivannon</i> (a Budhist deity).           | 1      | „ 200 | ditto                                                    |   |
| „ 170              | Plate.                                       | 1      | „ 201 | Specimens showing various kinds of cotton thread dyeing. | 4 |
| „ 171              | ditto                                        | 1      | „ 202 | Specimens showing various kinds of woolen thread dyeing. | 4 |
| „ 172              | Censer for burning incense.                  | 1      | „ 203 | Specimens showing various kinds of cotton cloth dyeing.  | 1 |
| „ 173              | Flower-vases.                                | 2      | „ 204 | Specimens showing various kinds of woolen cloth dyeing.  | 1 |
| „ 174              | Candle-sticks.                               | 2      | „ 205 | Calico.                                                  | 1 |
| „ 175              | Embroidered cloth.                           | 1      | „ 206 | Specimens showing various kinds of silk stuff dyeing.    | 1 |
| „ 176              | ditto                                        | 1      | „ 207 | Specimens showing various kinds of silk thread dyeing.   | 1 |
| „ 177              | (Withdrawn).                                 |        | „ 208 | Specimens showing various kinds of cotton thread dyeing. | 2 |
| „ 178              | Embroidered cloth.                           |        |       |                                                          |   |
| „ 179              | ditto                                        | 1      |       |                                                          |   |
| „ 180              | ditto                                        | 1      |       |                                                          |   |
| „ 181              | ditto                                        | 1      |       |                                                          |   |
| „ 182              | Tray.                                        | 1      |       |                                                          |   |
| „ 183              | ditto                                        | 5      |       |                                                          |   |
| „ 184              | Specimen showing the art of gold lacquering. | 1      |       |                                                          |   |
| „ 185              | Tobacco box on a tray.                       | 1 set. |       |                                                          |   |
| „ 186              | ditto                                        | 1 „    |       |                                                          |   |
| „ 187              | Tray.                                        | 1      |       |                                                          |   |
| „ 188              | ditto                                        | 1      |       |                                                          |   |
| „ 189              | ditto                                        | 1      |       |                                                          |   |
| „ 190              | ditto                                        | 1      |       |                                                          |   |

|   |     |                   |   |   |     |                      |   |
|---|-----|-------------------|---|---|-----|----------------------|---|
| „ | 209 | Tray for cakes.   | 2 |   |     | cakes on.            | 1 |
| „ | 210 | ditto             | 2 | I | 214 | Stand for putting    |   |
| „ | 211 | Specimens showing |   |   |     | cakes on.            | 1 |
|   |     | various kinds of  |   | „ | 215 | Small cigarette box. | 1 |
|   |     | paper lacquering. | 1 | „ | 216 | ditto                | 1 |
| I | 212 | Tray.             | 1 | „ | 217 | Stand for placing    |   |
| „ | 213 | Stand for putting |   |   |     | flowers on.          | 1 |

GROUP 149. CLASS 852.  
TŌKYŌ FINE ART SCHOOL.

| DRAWING COURSE. |   |                      |   | J |    |                      |   |
|-----------------|---|----------------------|---|---|----|----------------------|---|
| J               | 1 | Vimakitta, after     |   | J | 10 | Falcon, after        |   |
|                 |   | Ririomin.            | 1 |   |    | Chokuan.             | 1 |
| „               | 2 | Apes, after Sosen.   | 1 | „ | 11 | Carp, after Toko.    | 1 |
| „               | 3 | Dragon, after Gek-   |   | „ | 12 | Bird and Flowers,    |   |
|                 |   | kwan.                | 1 |   |    | after Sesson.        | 1 |
| „               | 4 | Landscape, after     |   | „ | 13 | Arhat, after Ririo-  |   |
|                 |   | Sessiu.              | 1 |   |    | min.                 | 1 |
| „               | 5 | A Scene from the     |   | „ | 14 | A Scene from the     |   |
|                 |   | “Kasuga-Genki.”      |   |   |    | Roll of Bandai-      |   |
|                 |   | (a roll illustrating |   |   |    | nagon, after         |   |
|                 |   | the foundation of    |   |   |    | Mitsunaga.           | 1 |
|                 |   | Kasuga Temple).      | 1 | „ | 15 | Maples, after Koho.  | 1 |
| „               | 6 | Landscape, after     |   | „ | 16 | Jizō, after an early |   |
|                 |   | Shinbun.             |   |   |    | Kose master.         | 1 |
| „               | 7 | Figures under a      |   | „ | 17 | A Scene from the     |   |
|                 |   | Pine-tree, after     |   |   |    | Roll of Saigyō,      |   |
|                 |   | Masanobu.            | 1 |   |    | after Sukeyasu.      | 1 |
| „               | 8 | Tiger, after Mokkei. | 1 | „ | 18 | Wisterias, after     |   |
| „               | 9 | Tekkai-sennin, after |   |   |    | Koho.                | 1 |
|                 |   | Ganki.               | 1 | „ | 19 | A Cock, from nature. | 1 |



|   |    |                                                                             |    |   |    |                                                                                       |     |
|---|----|-----------------------------------------------------------------------------|----|---|----|---------------------------------------------------------------------------------------|-----|
| J | 20 | <i>Serranus Marginalis</i><br>and <i>Aji</i> , (name of<br>a fish).         | 1  | J | 40 | Models from Re-<br>lief Engraving to<br>Simple Relief.                                | 30  |
| „ | 21 | ditto                                                                       | 1  | „ | 41 | Flowers, Birds and<br>Animals in Low<br>Relief.                                       | 24  |
| „ | 22 | Wild Ducks.                                                                 | 1  | „ | 42 | Animals and Figures<br>in Low Relief.                                                 | 11  |
| „ | 23 | Lobster with Shell-<br>fish.                                                | 1  | „ | 43 | Models from Sim-<br>ple Engraving to<br>Relief Engraving.                             | 60  |
| „ | 24 | ditto                                                                       | 1  | „ | 44 | Models from Relief<br>Engraving to Sim-<br>ple Relief.                                | 48  |
| „ | 25 | Design for a chisel-<br>ed incense burner<br>and a cloisoné<br>flower-vase. | 1  | „ | 45 | Flowers, Birds, and<br>Animals, in Low<br>Relief.                                     | 48  |
| „ | 26 | Design for a lac-<br>quered cabinet.                                        | 1  | „ | 46 | Figures and Ani-<br>mals in Low Re-<br>lief.                                          | 9   |
| „ | 27 | Warrior playing the<br><i>Biwa</i> at the Temple<br>of Chikubushima.        | 1  | „ | 47 | Models from Simple<br>Engraving to<br>Simple Relief.                                  | 12  |
| „ | 28 | New Year's Sport.                                                           | 1  | „ | 48 | Models from Re-<br>ponsè Work to<br>Inlaid Flower<br>Pattern Work and<br>High Relief. | 12  |
| „ | 29 | Goddess Benten.                                                             | 1  | „ | 49 | Tools used in metal-<br>work.                                                         | 131 |
| „ | 30 | Landscape with<br>Water-fall.                                               | 1  | „ | 50 | Models showing the<br>art of coloring<br>bronze.                                      | 18  |
| „ | 31 | A Summer Land-<br>scape.                                                    | 1  | „ | 51 | Lion.                                                                                 | 1   |
| „ | 32 | Autumnal Festival<br>in the 17th Cen-<br>tury.                              | 1  | „ | 52 | Peony.                                                                                | 1   |
| „ | 33 | Summer Landscape.                                                           | 1  | „ | 53 | Heron.                                                                                | 1   |
| „ | 34 | Horned Owl.                                                                 | 1  | „ | 54 | Dragon.                                                                               | 1   |
| „ | 35 | Sparrows.                                                                   | 1  | „ | 55 | <i>Kwannon</i> .                                                                      | 1   |
| „ | 36 | Summer Landscape.                                                           | 1  |   |    |                                                                                       |     |
| „ | 37 | Snipe.                                                                      | 1  |   |    |                                                                                       |     |
| „ | 38 | Cherries with Phea-<br>sant.                                                | 1  |   |    |                                                                                       |     |
|   |    | <b>ENGRAVING COURSE.</b>                                                    |    |   |    |                                                                                       |     |
| „ | 39 | Models from Simple<br>Engraving to Re-<br>lief Engraving.                   | 36 |   |    |                                                                                       |     |



|                          |    |                                                       |    |                               |    |                                                                       |   |
|--------------------------|----|-------------------------------------------------------|----|-------------------------------|----|-----------------------------------------------------------------------|---|
| J                        | 56 | Flower-vase with wave and fish pattern.               | 2  | J                             | 74 | Deer.                                                                 | 1 |
| "                        | 57 | Models from Flat Lacquer Work to Raised Lacquer Work. | 15 | "                             | 75 | Hare.                                                                 | 1 |
| "                        | 58 | Models from Flat Polish to Raised Lacquer Work.       | 10 | "                             | 76 | Ox.                                                                   | 1 |
| "                        | 59 | Models from Raised Polish to High Lacquer Work.       | 5  | "                             | 77 | Hare.                                                                 | 1 |
| "                        | 60 | Models showing different methods of Lacquer work.     | 70 | "                             | 78 | Rat.                                                                  | 1 |
| "                        | 61 | Collection of student's Work.                         | 1  | "                             | 79 | Horse.                                                                | 1 |
| "                        | 62 | Tools used in Gold Lacquer and General Lacquer Work.  | 66 | "                             | 80 | Tortoise.                                                             | 1 |
| <b>ENGRAVING COURSE.</b> |    |                                                       |    | <b>ART INDUSTRIAL COURSE.</b> |    |                                                                       |   |
| "                        | 63 | Figures and Animals.                                  | 4  | "                             | 81 | Chiseled catfish inlaid in yellow copper.                             | 1 |
| "                        | 64 | Figures, Animals, and Buddhist Idols.                 | 6  | "                             | 82 | Chiseled catfish inlaid in copper.                                    | 1 |
| "                        | 65 | Fisherman.                                            | 4  | "                             | 83 | Chiseled birds inlaid in copper.                                      | 1 |
| "                        | 66 | Buddhist Priest playing the <i>biwa</i> .             | 1  | "                             | 84 | Chiseled monkey inlaid in copper.                                     | 1 |
| "                        | 67 | Geese.                                                | 1  | "                             | 85 | Chiseled snow, moon, and flowers inlaid in copper.                    | 1 |
| "                        | 68 | Leopard.                                              | 1  | "                             | 86 | Inlaid melons engraved on copper.                                     | 1 |
| "                        | 69 | Cat.                                                  | 1  | "                             | 87 | Chiseled peony inlaid in copper.                                      | 1 |
| "                        | 70 | Ox.                                                   | 1  | "                             | 88 | Chiseled <i>reishi</i> (a species of hard mushroom) inlaid in copper. | 1 |
| "                        | 71 | Dog.                                                  | 1  | "                             | 89 | Chiseled fox inlaid in iron.                                          | 1 |
| "                        | 72 | Wild Boar.                                            | 1  | "                             | 90 | Chiseled stork on <i>shibuichi</i> ground.                            | 1 |
| "                        | 73 | Hare.                                                 | 1  | "                             | 91 | Chiseled birds with cherries on <i>shibuichi</i> ground.              | 1 |
|                          |    |                                                       |    | "                             | 92 | Chiseled peony on <i>shakudō</i> ground.                              | 1 |

|   |    |                                               |   |   |    |                                                                                |   |
|---|----|-----------------------------------------------|---|---|----|--------------------------------------------------------------------------------|---|
| J | 93 | Chiseled swallow<br>with willow on<br>silver. | 1 | J | 97 | maples on copper.<br>Chiseled fancy<br>chariot on <i>shaku-</i><br><i>dō</i> . | 1 |
| „ | 94 | Chiseled hare on<br><i>shakudō</i> .          | 1 | „ | 98 | Chiseled heron with<br>snow on <i>shibuichi</i><br>ground.                     | 1 |
| „ | 95 | Chiseled distaff on<br><i>shakudō</i> .       | 1 |   |    |                                                                                |   |
| „ | 96 | Chiseled deer with                            |   |   |    |                                                                                |   |

## KYŌTO FINE ART SCHOOL.

| DRAWING. |     |                                 |   | J |     |                             |   |
|----------|-----|---------------------------------|---|---|-----|-----------------------------|---|
| J        | 99  | Flowers and trees.              | 1 | J | 109 | Design for lacquer<br>work. | 1 |
| „        | 100 | Flowers and insects.            | 1 | „ | 110 | Design for porce-<br>lain.  | 1 |
| „        | 101 | Fruits.                         | 1 | „ | 111 | Design for pottery.         | 1 |
| „        | 102 | Ancient pictures.               | 1 | „ | 112 | ditto                       | 1 |
| „        | 103 | Flowers of the four<br>seasons. | 1 | „ | 113 | Design for embroi-<br>dery. | 1 |
| „        | 104 | Birds and flowers.              | 1 | „ | 114 | Design for <i>Yūzen</i> .   | 1 |
| „        | 105 | The noted places at<br>Kyōto.   | 1 | „ | 115 | Design for woolen<br>stuff. | 1 |
| „        | 106 | Figures.                        | 1 | „ | 116 | Design for cloi-<br>soné.   | 1 |
| „        | 107 | Design for sculp-<br>ture.      | 1 |   |     |                             |   |
| „        | 108 | Design for bronze<br>work.      | 1 |   |     |                             |   |



## GROUP 149. CLASS 852.

## TŌKYŌ MUSIC SCHOOL.

| CLASSICAL MUSICAL INSTRUMENTS. |    |                                       |        |                               |    |                                        |        |
|--------------------------------|----|---------------------------------------|--------|-------------------------------|----|----------------------------------------|--------|
| K                              | 1  | Kagurabue (used in sacred dancing).   | 1      | K                             | 19 | Gidayū-shamisen (guitar for drama).    | 1      |
| „                              | 2  | Ryūteki.                              | 1      | „                             | 20 | Gidayū-Kendai (music stand for drama). | 1      |
| „                              | 3  | Komabue.                              | 1      | „                             | 21 | Nōbue.                                 | 1      |
| „                              | 4  | Shichiriki.                           | 1      | „                             | 22 | Nōtaiko.                               | 1      |
| „                              | 5  | Hōshō.                                | 1      | „                             | 23 | Ōtsuzumi (large drum).                 | 1      |
| „                              | 6  | Wagon (Harp of six strings).          | 1      | „                             | 24 | Kotsuzumi (small drum).                | 1      |
| „                              | 7  | Koto (a kind of harp or lyre).        | 1      | CHINESE MUSICAL INSTRUMENTS.  |    |                                        |        |
| „                              | 8  | Biwa (lute with four strings).        | 1      | „                             | 25 | Shinteki.                              | 1      |
| „                              | 9  | Taiko (drum).                         | 1      | „                             | 26 | Dōshō.                                 | 1      |
| „                              | 10 | Kakko (a kind of drum).               | 1      | „                             | 27 | Gekkin.                                | 1      |
| „                              | 11 | Shōko (a kind of war-drum).           | 1      | „                             | 28 | Genkan.                                | 1      |
| „                              | 12 | Shakubyōshi.                          | 1 set. | „                             | 29 | Biwa (four-stringed lute).             | 1      |
| „                              | 13 | Rikkan.                               | 1 „    | „                             | 30 | Teikin.                                | 1      |
| POPULAR MUSICAL INSTRUMENTS.   |    |                                       |        | „                             | 31 | Keikin.                                | 1      |
| „                              | 14 | Shakuhachi (a kind of flute or pipe). | 1      | „                             | 32 | Kokin.                                 | 1      |
| „                              | 15 | Koto (a kind of harp or lyre).        | 1      | „                             | 33 | Jahisen.                               | 1      |
| „                              | 16 | ditto                                 | 1      | „                             | 34 | Yōkin.                                 | 1      |
| „                              | 17 | Kokyū (three-stringed violin).        | 1      | „                             | 35 | Mokkin.                                | 1      |
| „                              | 18 | Shamisen (guitar).                    | 1      | „                             | 36 | Taiko.                                 | 1      |
|                                |    |                                       |        | „                             | 37 | Hakuhan.                               | 1 set. |
|                                |    |                                       |        | EUROPEAN MUSICAL INSTRUMENTS. |    |                                        |        |
|                                |    |                                       |        | „                             | 38 | Organ.                                 | 1      |
|                                |    |                                       |        | „                             | 39 | ditto                                  | 1      |

|    |    |                              |    |    |    |                         |         |
|----|----|------------------------------|----|----|----|-------------------------|---------|
| K  | 40 | Organ.                       | 1  |    |    | of Classical and        |         |
| ,, | 41 | Violin.                      | 1  |    |    | Popular Musical         |         |
| ,, | 42 | ditto                        | 1  |    |    | Instruments).           | 1       |
| ,, | 43 | ditto                        | 1  | K  | 61 | ditto                   | 3 cases |
| ,, | 44 | ditto                        | 1  | ,, | 62 | Examination papers      |         |
| ,, | 45 | ditto                        | 1  |    |    | of the pupils of        |         |
| ,, | 46 | ditto                        | 1  |    |    | the Tōkyō Music         |         |
| ,, | 47 | ditto                        | 1  |    |    | School.                 | 1       |
| ,, | 48 | ditto                        | 1  | ,, | 63 | Calendar of the         |         |
| ,, | 49 | ditto                        | 1  |    |    | Tōkyō Music             |         |
| ,, | 50 | ditto                        | 1  |    |    | School.                 | 1       |
|    |    | <b>DRAWINGS AND PICTURES</b> |    | ,, | 64 | Ditto (in English).     | 1       |
|    |    | <b>RELATING TO MUSIC.</b>    |    | ,, | 65 | "Shōkashū" (Col-        |         |
| ,, | 51 | Folding screen.              | 2  |    |    | lection of Songs).      | 3       |
| ,, | 52 | Tablet.                      | 1  | ,, | 66 | "Yōchiyen Shōka-        |         |
| ,, | 52 | ditto                        | 1  |    |    | shū" (Collection        |         |
| ,, | 54 | Roll.                        | 2  |    |    | of Kindergarten         |         |
| ,, | 55 | Photograph of mu-            |    | ,, | 67 | "Chūto Shōkashū"        | 1       |
|    |    | sical instruments.           | 40 |    |    | (Collection of          |         |
| ,, | 56 | Plan of the Tokyo            |    |    |    | Middle School           |         |
|    |    | Music School.                | 1  |    |    | Songs).                 | 1       |
|    |    | <b>BOOKS RELATING TO</b>     |    | ,, | 68 | Chart of Songs.         | 3       |
|    |    | <b>MUSIC.</b>                |    | ,, | 69 | "Sōkyoku Shū"           |         |
| ,, | 57 | "Gagaku Setsume-             |    |    |    | (Collection of          |         |
|    |    | sho (Explanation             |    |    |    | Songs for <i>Koto</i> - |         |
|    |    | of Classical                 |    |    |    | Playing).               | 1       |
|    |    | Music).                      | 1  | ,, | 70 | "Ongaku Mondō"          |         |
| ,, | 58 | "Zokugaku Sen-               |    |    |    | (Book on Music).        | 1       |
|    |    | ritsukō" (Book               |    | ,, | 71 | "Ongaku Shinan"         |         |
|    |    | on Popular                   |    | ,, | 72 | (Guide for Music).      | 1       |
|    |    | Music).                      | 1  | ,, | 73 | "Gakkyoku" (Music-      |         |
| ,, | 59 | "Gagaku Onkai                |    |    |    | al Notes).              | 1       |
|    |    | Setsume" (Book               |    | ,, | 74 | Brief Report relat-     |         |
|    |    | on Popular                   |    |    |    | ing to the Result       |         |
|    |    | Music).                      | 2  |    |    | of Musical Inves-       |         |
| ,, | 60 | "Gazoku Gakki                |    |    |    | tigations.              | 1       |
|    |    | Chō-on" (Tuning              |    | ,, | 75 | Ditto (in English).     | 10      |

|   |    |                    |    |   |    |                    |   |
|---|----|--------------------|----|---|----|--------------------|---|
| K | 75 | Book on Musicians. | 46 | K | 81 | "Ongaku Riron "    |   |
| " | 76 | "Ongaku Ryakkai "  |    |   |    | (Theory of Music). | 1 |
|   |    | (Book on Music).   | 6  | " | 82 | "Shimpen Ongaku    |   |
| " | 77 | "Seikyoku Ruisan " |    |   |    | Riron " (Theory    |   |
|   |    | (Book on Musical   |    |   |    | of Music, New      |   |
|   |    | Notes).            | 6  |   |    | Edition).          | 1 |
| " | 78 | "Shūko Jusshu "    |    | " | 83 | "Ongaku Rigai "    |   |
|   |    | (Collection of     |    |   |    | (Treatise on       |   |
|   |    | Antiquity).        | 18 |   |    | Music).            | 4 |
| " | 79 | "Kabu Ongaku-      |    | " | 84 | "Nōgaku Zushiki "  |   |
|   |    | shi " (Brief His-  |    |   |    | (Representation    |   |
|   |    | tory of Singing    |    |   |    | of nō-dancing).    | 1 |
|   |    | and Dancing).      | 2  | " | 85 | "Hompō Zokugaku    |   |
| " | 80 | "Ongaku Michi-     |    |   |    | Fu " (Popular      |   |
|   |    | shirube " (Guide   |    |   |    | Musical Notes of   |   |
|   |    | for Music).        | 2  |   |    | Japan).            | 6 |



GLOUP 149. CLASS 852.  
AGRICULTURAL SCHOOLS.

|   |   |                             |   |   |    |                         |   |
|---|---|-----------------------------|---|---|----|-------------------------|---|
| L | 1 | Photograph of               |   | L | 8  | <i>Umagutsu</i> (horse- |   |
|   |   | school buildings.           | 1 |   |    | shoe made of            |   |
| " | 2 | Plan of school build-       |   |   |    | straw).                 | 1 |
|   |   | ings.                       | 1 | " | 9  | <i>Ushigutsu</i> (straw |   |
| " | 3 | <i>Fugo</i> (a kind of      |   |   |    | shoes for cows          |   |
|   |   | straw bag).                 | 1 |   |    | and oxen).              | 1 |
| " | 4 | Straw mattress.             | 1 | " | 10 | <i>Waranji</i> (straw   |   |
| " | 5 | <i>Mokko</i> (basket for    |   |   |    | sandals).               | 1 |
|   |   | carrying earth).            | 1 | " | 11 | <i>Zōri</i> (a kind of  |   |
| " | 6 | <i>Warabitsu</i> (straw box |   |   |    | sandals made of         |   |
|   |   | for boiled rice).           | 1 |   |    | straw).                 | 1 |
| " | 7 | <i>Mino</i> (a kind of      |   | " | 12 | <i>Nawa</i> (rope).     | 2 |
|   |   | straw coat).                | 1 |   |    |                         |   |

|    |     |                                                                  |           |    |    |                                                                                                       |         |
|----|-----|------------------------------------------------------------------|-----------|----|----|-------------------------------------------------------------------------------------------------------|---------|
| L  | 13  | <i>Warabōki</i> (straw broom).                                   | 1         | L  | 34 | <i>Kinkwan</i> ( <i>Citrus japonica</i> ).                                                            | 1       |
| ,, | 14  | <i>Momi</i> (unhulled rice).                                     | 3         | ,, | 35 | Specimens of silk worms suffering from disease.                                                       | 10      |
| ,, | 15  | <i>Daizu</i> ( <i>Soja hispida</i> ).                            | 2         | ,, | 36 | Botanical specimens.                                                                                  | 300     |
| ,, | 16  | <i>Shōzu</i> ( <i>Phaseolus radiatus</i> ).                      | 2         | ,, | 37 | Photograph.                                                                                           | 2       |
| ,, | 17a | Photograph of pupils at work.                                    | 7         | ,, | 38 | ditto.                                                                                                | 1       |
| ,, | 17b | Drawing of pupils at work.                                       | 7         | ,, | 39 | Calendar of the Sapporo Agricultural School.                                                          | 100     |
| ,, | 18  | Photograph of a horse suffering from disease.                    | 1 tablet. | ,, | 40 | Plan of the lands belonging to the Sapporo Agricultural School.                                       |         |
| ,, | 19  | Calendar of the Agricultural School in the Prefecture of Miyagi. | 1         | ,, | 41 | Plan of the lands for practical training in agriculture, attached to the Sapporo Agricultural School. | 1       |
| ,, | 20  | Hand-book for pupil's use.                                       | 1         | ,, | 42 | Plan of the Botanic Garden and Museum attached to the Sapporo Agricultural School.                    | 1       |
| ,, | 21  | Note-book for registering the daily condition of silk-worms.     | 1         | ,, | 43 | <i>Kome</i> (rice).                                                                                   | 1       |
| ,, | 22  | <i>Kome</i> (rice).                                              | 1         | ,, | 44 | Silkworm cocoons.                                                                                     | 1 case. |
| ,, | 23  | <i>Ōmugi</i> (barley).                                           | 1         | ,, | 45 | <i>Daizu</i> ( <i>Soja hispida</i> ).                                                                 | 1       |
| ,, | 24  | <i>Komugi</i> (wheat).                                           | 1         | ,, | 46 | (Withdrawn).                                                                                          |         |
| ,, | 25  | <i>Hadakamugi</i> (rye).                                         | 1         | ,, | 47 | A kind of castrating instrument.                                                                      | 5       |
| ,, | 26  | <i>Daizu</i> , ( <i>Soja hispida</i> ).                          | 1         | ,, | 48 | <i>Urushimai</i> (rice).                                                                              | 9       |
| ,, | 27  | Sandy oat.                                                       | 1         | ,, | 49 | <i>Mochigome</i> (glutinous rice).                                                                    | 10      |
| ,, | 28  | <i>Brassica chinensis</i> .                                      | 1         | ,, | 50 | <i>Hadakamugi</i> (rye).                                                                              |         |
| ,, | 29  | Hay.                                                             | 12 kinds. | ,, | 51 | <i>Komugi</i> (wheat).                                                                                |         |
| ,, | 30  | Silkworm cocoons.                                                | 3         | ,, | 52 | <i>Omugi</i> (barley).                                                                                | 11      |
| ,, | 31  | Tea.                                                             | 1         | ,, | 53 | <i>Karasumugi</i> (a kind of oats).                                                                   | 1       |
| ,, | 32  | <i>Takenoko</i> (bamboo sprouts).                                | 1         |    |    |                                                                                                       |         |
| ,, | 33  | <i>Mikwan</i> (a kind of orange).                                | 1         |    |    |                                                                                                       |         |



|   |    |                                       |   |   |    |                      |   |
|---|----|---------------------------------------|---|---|----|----------------------|---|
| L | 54 | <i>Saito</i> (a kind of bean).        | 1 | L | 58 | Raw silk.            | 2 |
| „ | 55 | <i>Daizu</i> ( <i>Soja hispida</i> ). | 3 | „ | 59 | Thread made of hemp. | 1 |
| „ | 56 | Seeds of hemp.                        | 1 | „ | 60 | Wool.                | 1 |
| „ | 57 | Silkworm cocoons.                     | 2 |   |    |                      |   |



GROUP 149. CLASS 853.  
**STATISTICAL TABLES AND CHARTS.**

|   |   |                                                                                                                                 |   |   |   |                                                                                                                                   |   |
|---|---|---------------------------------------------------------------------------------------------------------------------------------|---|---|---|-----------------------------------------------------------------------------------------------------------------------------------|---|
| M | 1 | Table showing the number of instructors and teachers, students and pupils, etc., in the government, public and private schools. | 1 |   |   | ers, pupils, and graduates in the various institutions under the direct control of the Imperial Japanese Department of Education. | 1 |
| „ | 2 | Comparative table showing the number of pupils receiving instruction <i>per centum</i> of the school population.                | 1 | M | 4 | Table showing the amount of the income and expenditure of the public elementary schools.                                          | 1 |
| „ | 3 | Table showing the number of pupils of government, public, and private special schools, with reference to the subjects of study. | 1 | „ | 5 | Table showing the number of male and female pupils receiving instruction <i>per centum</i> of the school population.              | 1 |
|   |   | Table showing the number of teach-                                                                                              |   | „ | 6 | Table showing the number of graduates of the Im-                                                                                  |   |

|    |    |                                                                             |   |      |                                               |                                                                                   |
|----|----|-----------------------------------------------------------------------------|---|------|-----------------------------------------------|-----------------------------------------------------------------------------------|
|    |    | perial University,<br>Japan.                                                | 1 | M 25 | Plan of the Third<br>Higher Middle<br>School. |                                                                                   |
| M  | 12 | Plan of the Imperi-<br>al University.                                       | 1 |      |                                               |                                                                                   |
| ,, | 13 | Plan of the Library<br>of the Imperial<br>University.                       | 1 | ,,   | 26                                            | Plan of the Fourth<br>Higher Middle<br>School. 1                                  |
| ,, | 14 | Plan of the Law<br>and Literative<br>Colleges.                              | 1 | ,,   | 27                                            | Plan of the Fifth<br>Higher Middle<br>School. 1                                   |
| ,, | 15 | Plan of the Engi-<br>neering College.                                       | 1 | ,,   | 28                                            | Plan of the Yama-<br>guchi Higher<br>Middle School. 1                             |
| ,, | 16 | Plan of the Science<br>College.                                             | 1 | ,,   | 29                                            | Plan of the Kago-<br>shima Higher<br>Middle School<br>(Zōshikwan). 1              |
| ,, | 17 | Plan of the Botanic<br>Garden attached<br>to the Science<br>College.        | 1 | ,,   | 30                                            | Plan of the Tokyo<br>Technical School. 1                                          |
| ,, | 18 | Plan of the Bio-<br>logical Class<br>Rooms of the Im-<br>perial University. | I | ,,   | 31                                            | Plan of the Tokyo<br>Fine Art School<br>and the Tokyo<br>Library. 1               |
| ,, | 19 | Plan of the Agri-<br>cultural College.                                      | 1 | ,,   | 32                                            | Plan of the Tokyo<br>Academy of<br>Music. 1                                       |
| ,, | 20 | Plan of the Higher<br>Normal School.                                        | 1 | ,,   | 33                                            | Plan of the Tokyo<br>Blind and Dumb<br>School. 1                                  |
| ,, | 21 | Plan of the Higher<br>Female Normal<br>School.                              | 1 | ,,   | 34                                            | Outlines of Modern<br>Education in<br>Japan. 500 vols.                            |
| ,, | 22 | Plan of the Higher<br>Commercial<br>School.                                 | 1 | ,,   | 35                                            | Nineteenth Annual<br>Report of the<br>Minister of State<br>for Education. 1 case. |
| ,, | 23 | Plan of the First<br>Higher Middle<br>School.                               | 1 |      |                                               |                                                                                   |
| ,, | 24 | Plan of the Second<br>Higher Middle<br>School.                              | 1 |      |                                               |                                                                                   |

## GROUP 149. CLASS 855.

## TEXT BOOKS.

|   |   |                                                                                   |   |    |                                                                           |
|---|---|-----------------------------------------------------------------------------------|---|----|---------------------------------------------------------------------------|
| M | 1 | "Shōgaku Yomikaki Kyōjusho" (Elementary Reading and Writing). 2 vols.             |   |    | Elementary Schools). 5 vols.                                              |
| " | 2 | "Shōgaku Tokuhon" (Elementary Readers). 4 "                                       | M | 9  | "Kōtō Shōgaku Rekishi (History for Higher Elementary Schools). 3 "        |
| " | 3 | "Shōgaku Shūjihon" (Copy-book for Elementary Schools). 3 "                        | " | 10 | English Readers. 5 "                                                      |
| " | 4 | "Tokusho Nyūmon (Readers for Beginners). 1 "                                      | " | 11 | Elementary Gymnastics. 1 "                                                |
| " | 5 | "Junjō Shōgaku Tokuhon" (Readers for Ordinary Elementary School). 7 "             | " | 12 | "Kagaku Kyōkwa-sho" (Text-book of Inorganic Chemistry). 2 "               |
| " | 6 | "Shōgaku Shūjisho" (Copy-book for Elementary Schools). 47                         | " | 13 | "Kikagaku Kyōkwa-sho" (Text-book of Geometry). 2 "                        |
| " | 7 | "Junjō Shōgaku Sakubun Kyōju Yōsho" (Composition for Elementary Schools). 3 vols. | " | 14 | "Rinri Sho" (Morals). 1 "                                                 |
| " | 8 | "Kōtō Shōgaku Tokuhon" (Readers for Higher                                        | " | 15 | "Nippon Bunmeishiryaku" (Brief History of the Civilization of Japan). 5 " |
|   |   |                                                                                   | " | 16 | "Nippon Kyōikushi" (History of Education in Japan). 2 "                   |
|   |   |                                                                                   | " | 17 | Russian-Japanese Dictionary. 2 "                                          |
|   |   |                                                                                   | " | 18 | Dōbutsu Tsūkai                                                            |



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